



Europass Curriculum Vitae

First name(s) / Surname(s) **Roberto Colangeli**
E-mail roberto.colangeli@unicamillus.org

Nationality Italian

Research/Work experience

Dates Oct 2015 – present

Occupation or position held [Ricercatore Tenure Track \(RTT\)](#)

Main activities and responsibilities Research Activity in the field of Synaptic Physiology and Neuroscience

Name and address of employer UniCamillus International Medical University in Rome Via di Sant'Alessandro, 8
00131 Rome, Italy

Dates May 2020 – Apr 2025

Occupation or position held [Ricercatore a tempo determinato tipologia A, \(RTDA\)](#)

Main activities and responsibilities Research Activity in the field of Synaptic Physiology and Neuroscience

Name and address of employer Dept. of Experimental and Clinical Medicine "Università Politecnica delle Marche" Via Tronto 10/A,
60126 Ancona, Italy

Type of business or sector Preclinical Neurophysiology Research

Dates Aug 2018 – April 2020

Occupation or position held [Research Associate](#)

Main activities and responsibilities Research Activity in the field of Synaptic Physiology and Neurobiology of Learning and Memory

Name and address of employer Hotchkiss Brain Institute Dept. of Cell Biology and Anatomy, University of Calgary 3330 Hospital Dr.
NW T2N 4N1 Calgary (AB) Canada

Type of business or sector Preclinical Neurophysiology Research

Dates Feb 2016 – Aug 2018

Occupation or position held [Post-Doctoral Fellow](#)

Main activities and responsibilities Research Activity in the field of Synaptic Physiology and Neurobiology of Learning and Memory

Name and address of employer Hotchkiss Brain Institute Dept. of Cell Biology and Anatomy, University of Calgary 3330 Hospital Dr.
NW T2N 4N1 Calgary (AB) Canada

Type of business or sector Preclinical Neurophysiology Research

Dates May 2015 – Jan 2016

Occupation or position held [Research support officer II](#)

Main activities and responsibilities Research Activity in the field of Synaptic Plasticity and Electrophysiology

Name and address of employer Laboratory of Neurophysiology, Department of Physiology and Biochemistry, Faculty of Medicine and
Surgery, University of Malta, Msida, Malta

Type of business or sector Preclinical Neurophysiology Research

Dates Oct 2013 – Apr 2015

Occupation or position held [Post-Doctoral Fellow \(Visiting Researcher\)](#)

Main activities and responsibilities	Research Activity in the field of Synaptic Plasticity and Electrophysiology
Name and address of employer	Laboratory of Neurophysiology, Department of Physiology and Biochemistry, Faculty of Medicine and Surgery, University of Malta, Msida, Malta
Type of business or sector	Preclinical Neurophysiology Research
Dates	Nov 2009 – Feb 2013
Occupation or position held	PhD student
Main activities and responsibilities	Research Activity in the field of Neuropsychopharmacology
Name and address of employer	Dept. of Physiology and Pharmacology "V. Erspamer" Sapienza University of Rome Piazzale Aldo Moro, 5 00185 Rome, Italy
Type of business or sector	Preclinical Neuropsychopharmacology Research
Dates	Oct 2012
Occupation or position held	Research exchange program
Main activities and responsibilities	Research Activity in the field of Neurophysiology
Name and address of employer	School of Biological and Chemical Sciences, Queen Mary University of London, Mile End Road E1 4NS London, UK
Type of business or sector	Preclinical Neurophysiology Research
Dates	Aug 2008 – Nov 2008
Occupation or position held	Erasmus Scholarship for Lab Training
Main activities and responsibilities	Research Activity in the field of Electrophysiology
Name and address of employer	Division of Nuclear Medicine, Katholieke Universiteit Leuven, Leuven, Belgium
Type of business or sector	Preclinical Neuropsychopharmacology Research
Dates	Feb 2006 – Oct 2009
Occupation or position held	Master student
Main activities and responsibilities	Research Activity in the field of Neuropsychopharmacology
Name and address of employer	Dept. of Physiology and Pharmacology "V. Erspamer" Sapienza University of Rome Piazzale Aldo Moro, 5 00185 Rome, Italy
Type of business or sector	Preclinical Neuropsychopharmacology Research
Dates	Sept 2004 – Jul 2005
Occupation or position held	Undergraduate student
Main activities and responsibilities	Research Activity in the field of Neuropsychopharmacology
Name and address of employer	Dipartimento di Genetica e Biologia Molecolare, Sapienza University of Rome Piazzale Aldo Moro, 5 00185 Rome, Italy
Type of business or sector	Preclinical Neuropsychopharmacology Research

Education

Date	Feb 2013
Title of qualification awarded	PhD in Toxicology (XXV cycle)
Principal subjects/occupational skills covered	Neurophysiology, Brain Pathophysiology, Neuropsychopharmacology, Toxicology
Name and type of organisation providing education and training	"Sapienza" University of Rome, Italy
Date	Oct 28 2010

Title of qualification awarded	Master degree in Pharmaceutical Biotechnology [LS - Ordin. 2003] (classe 9/S), interfacoltà (110/110 cum laude)
Principal subjects/occupational skills covered	Pharmacology, Physiology, Organic and Inorganic Chemistry, Physics, Maths, Genetics
Name and type of organisation providing education and training	"Sapienza" University of Rome, Italy

Training courses

Date	Oct 2022
Training course	"Basic biology Euthanasia Minimally invasive procedures without anesthesia" for rats and mice, modules 3.2, 6.2, 8; DM 05-08-2021", Charles River, Calco, Italy.
Date	Oct 2022
Training course	"Ethics and project design" modules 9, 10, 11; DM 05-08-2021", Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, online
Date	Oct 2022
Training course	"Biology and management of laboratory animals, rodents and lagomorphs modules 3.1, 4, 5, 6.1, 7; DM 05-08-2021", Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, online
Date	Oct 2022
Training course	"National legislation and ethics, Level 1 modules 1, 2; DM 05-08-2021", Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna, online
Date	Mar 2016
Training course	"Mouse husbandry, handling and procedures", University of Calgary, Calgary, Canada
Date	Mar 2016
Training course	"Rat husbandry, handling and procedures", University of Calgary, Calgary, Canada
Date	Jul 2011
Training course	"Laboratory animal research", Istituto Superiore di Sanità, Rome, Italy

Collaboration with research groups

- Giuseppe di Giovanni, Dept Scienze Mediche e Chirurgiche, Università Magna Graecia di Catanzaro.
- Stefania Butini, European Research Centre for Drug Discovery and Development (NatSynDrugs) and Department of Biotechnology, Chemistry, and Pharmacy, Università degli Studi di Siena, Siena, Italia.
- G. Campbell Teskey, Hotchkiss Brain Institute, University of Calgary
- Jordan Farrell, Division of Medical Sciences, Harvard Medical School Boston, MA, USA.
- Ivan Soltesz, Stanford University, Stanford, CA, United States.
- Matthew N. Hill, Department of Cell Biology and Anatomy, Hotchkiss Brain Institute, University of Calgary, Calgary, Canada.
- Roberto Di Maio, Pittsburgh Institute for Neurodegenerative Diseases and Department of Neurology, University of Pittsburgh, Pittsburgh, Pennsylvania, USA.
- Philippe De Deurwaerdère, Department of Life and Health Sciences, University of Bordeaux.
- Quentin Pittman, Department of Physiology and Pharmacology, Hotchkiss Brain Institute, University of Calgary, Calgary, Canada.
- Mario Van der Stelt, Department of Molecular Physiology, Leiden Institute of Chemistry, Leiden University, Leiden, 2333 CC, Netherlands.

Technical skills and competences

In vitro electrophysiology, in vivo electrophysiology, Stereotaxic surgery procedures, Behavioural tasks, Optical Microscopy, Biochemical assays, in situ hybridization, Immunohistochemistry.

Additional Information

- National Scientific Qualification ASN GSD 05/BIOS-06 – SSD BIOS-06/A–PHYSIOLOGY for Associate professor

Teaching activity

- **Physiological Sciences, W000879** - undergraduate course in MT07 - Tecniche di Radiologia Medica, per Immagini E Radioterapia, in Ascoli Piceno, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2024- Present).
- **General Physiology, W000638** - undergraduate course in MT10 – Igiene dentale, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2024 – present).
- **Physiology, W001410** - undergraduate course in MT13 - Assistenza sanitaria, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2024 – present).
- **Physiology, W000321** - undergraduate course in MT05 – Tecniche di Laboratorio Biomedico, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2024-present).
- **Coordinator of the integrated course Human Physiology and Physiology of reproduction W002471 and Lecturer of the course Physiology W002472** - undergraduate course in MT04 - Ostetricia, Università Politecnica delle Marche, (Feb 2024- present).
- **Physiology, W000068** - undergraduate course in MT02 - Infermieristica, in Ascoli Piceno, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2023-Feb 2024).
- **Physiology of Motor Systems, MT074** - undergraduate course in MT01 - Fisioterapia in Ascoli Piceno, Faculty of Medicine, Università Politecnica delle Marche, Lecturer (Feb 2022-present).
- **Physiology, W000068** - undergraduate course in MT02 - Infermieristica, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2021 – present).
- **Physiology, W000321** - undergraduate course in MT12 - Dietistica, Faculty of Medicine, Università Politecnica delle Marche. Lecturer (Feb 2020 – present).
- **Biological Psychology 1, PSY1617** - undergraduate course in Psychology, Faculty of Social Wellbeing, University of Malta. Lecturer (Oct 2015 – Feb 2016)

Editorial activity and Reviewer Board Member

Journal of Neuroscience Research – **Editorial Board Member**
Frontiers in Psychiatry - Addictive Disorders– **Review Editor**
Frontiers in Neuroscience – Motivation and Reward– **Review Editor**
Frontiers in Pharmacology - Experimental Pharmacology and Drug Discovery – **Review Editor**
Frontiers in Molecular Medicine - Molecular Mechanisms of Neurodegeneration– **Review Editor**
Book editor: Cannabinoids Modulation of Emotion, Memory, and Motivation 2nd edition; Campolongo P., Colangeli R., Fattore L. and Morena M. (eds.). Springer-Verlag New York

Scientific journal referee activity (alphabetical order)

Brain Research Bulletin
Cellular and Molecular life sciences
CNS Neuroscience and theapeutics
Developmental Psychobiology
IBRO Neuroscience Reports
Journal of Neuroscience Methods
Physiology and Behaviour
Plos One

Scientific research and grant referee activity

Università Politecnica delle Marche research calls (Ricerca Scientifica di Ateneo) - **Member of the Research Committee** (2022)
Research and professional activity of research-oriented institutes of the Czech Academy – **Evaluator** for Medical and Health sciences panel

Memberships (past and current)

Italian Society of Physiology (SIF)
International Cannabinoid Research Society (ICRS)
Society for Neuroscience (SFN)
Canadian Consortium for the Investigation of Cannabinoids (CCIC)
Mediterranean Neuroscience Society (MNS)
Malta Neuroscience Society
American Epilepsy Society
Canadian League Against Epilepsy

Prizes/Awards/Fellowships

1. **Top trainee abstracts award.** CLAE 2019 Scientific Meeting, Winnipeg MB, Canada, Sept 20-22, 2019.
2. **Best oral presentation award.** Hotchkiss Brain Institute, Epilepsy Neuroteam Research Retreat, Calgary, AB, Canada May 29, 2019.
3. **GRS Trainee Conference Support.** Gordon Research Seminar on Amygdala Function in Emotion, Cognition and Disease. Stonehill College, Easton, MA, US, Aug 3-4, 2019.
4. **GRS Trainee Conference Support.** Gordon Research Seminar on Cannabinoid Function in the CNS. Castelldefels, Spain, July 20-21, 2019
5. **Postdoctoral fellow best oral presentation award.** Canadian Spring Conference on Behaviour and Brain. Fernie, BC, Canada, Feb 21 - 23, 2019.
6. **Best oral presentation award.** HBI, Epilepsy Neuroteam Research Retreat, Calgary, AB, Canada March 22, 2018
7. **Travel Award ICRS.** 28th Annual symposium of the ICRS, Leiden, Netherlands, June 30 – July 05, 2018.
8. **HBI Conference Travel Award** to attend the FENS Forum in Berlin, Germany.
9. **GRS Trainee Conference Support.** GRS on Cannabinoid Function in the CNS". Waterville Valley, NH, USA, Aug 19 - 20, 2017.
10. **Travel Award ICRS.** 27th Annual symposium of the ICRS, Montréal, Canada, June 22 - 27, 2017
11. **Best oral presentation award.** Canadian Spring Conference on Behaviour and Brain. Fernie, Canada, Feb 23 - 25, 2017.
12. **Eyes High Postdoctoral fellowship.** HBI, Dept. Biology and Anatomy, University of Calgary, Calgary, AB, Canada. Feb 2016 - Jan 2018
13. **Fellowship** XIII Executive Programme for Cultural Collaboration between Malta and Italy. Oct 1st 2014 - Mar 31st 2015.
14. **Travel Award ICRS.** 22th Annual symposium of the ICRS, Freiburg, Germany, July 22 - 27, 2012
15. **Erasmus Scholarship for Laboratory Training,** awarded by "Sapienza" University of Rome. Aug 2008- Nov-2008.

Research & Outreach funding

Ricerca Giovani Ricercatori (Co-PI) GR-2019-12369216 – Italian Ministry of Health - 2021-2024 (€ 449,980)

Organization of meetings/symposia

1. **Symposium Organizer and Chair.** 10th MNS Conference. "When neuronal firing fails: Epilepsy and its neurobiological consequences. Crete Greece. 7 – 11 June 2025.
2. **Symposium Organizer and Chair.** 9th MNS Conference. "Diverse Neurobiological Actions of Cannabinoids in the Brain. Carthage Tunisia. 14 – 18 Oct 2023.

3. **Symposium Organizer and Chair.** 8th MNS Conference. "New perspectives on endocannabinoid signaling modulation of synaptic functions in physiological and pathological conditions". Dubrovnik, Croatia. May 29 - June 2 2022.
4. **Symposium Organizer and Chair.** 7th MNS Conference. "New insights on endocannabinoid system-mediated synaptic transmission and plasticity in health and disease". Marrakech, Morocco. June 23 - 27, 2019.
5. **Symposium Organizer and Chair.** 6th MNS Conference. "New insights on the endocannabinoid system: from the molecular mechanism to pharmacological approaches". Malta, June 12 - 15, 2017.
6. **Symposium Chair.** Canadian Spring Conference on Behaviour and Brain. "Psychosis". Fernie, Canada, Feb 18-20, 2016.

Publications (peer reviewed journals)

1. Gom RC, Wickramarachchi P, George AG, Lightfoot SHM, Newton-Gunderson D, Hill MN, Teskey GC, **Colangeli R**. Phytocannabinoids restore seizure-induced alterations in emotional behaviour in male rats. *Neuropsychopharmacology*. 2025 Apr;50(5):751-761.
2. Gom RC, George AG, Harris SA, Wickramarachchi P, Bhatt D, Acharjee S, Pittman QJ, Hill MN, **Colangeli R***, Teskey GC*. Emotional comorbidities in epilepsy result from seizure-induced corticosterone activity. *Neurobiol Stress*. 2024 Oct 11;33:100678.* **Co-senior Authors**
3. Baliotti M, Casoli T, Giorgetti B, **Colangeli R**, Nicoletti C, Solazzi M, Pugliese A, Conti F. Generation and Characterization of the First Murine Model of Alzheimer's Disease with Mutated A β PP Inserted in a BALB/c Background (C.B6/J-APP^{swe}). *J Alzheimers Dis*. 2023;93(4):1485-1508.
4. George AG, Farrell JS, **Colangeli R**, Wall AK, Gom RC, Kesler MT, Rodriguez de la Hoz C, Villa BR, Perera T, Rho JM, Kurrasch D, Teskey GC. Sudden unexpected death in epilepsy is prevented by blocking postictal hypoxia. *Neuropharmacology*. 2023 Jun 15;231:109513.
5. **Colangeli R**, Morena M, Werner A, Thompson RJ, van der Stelt M, Pittman QJ, Hill MN, Teskey GC. 2-AG-mediated control of GABAergic signaling is impaired in a model of epilepsy. *J Neurosci* 2023; 43:571-83.
6. Pierucci M, Delicata F, **Colangeli R**, Marino Gammazza A, Pitruzzella A, Casarrubea M, De Deurwaerdère P, Di Giovanni G. Nicotine modulation of the lateral habenula/ventral tegmental area circuit dynamics: An electrophysiological study in rats. *Neuropharmacology*. 2022 Jan 1;202:108859.
7. Farrell JS, **Colangeli R**, Dong A, George AG, Addo-Osafo K, Kingsley PJ, Morena M, Wolff MD, Dudok B, He K, Patrick TA, Sharkey KA, Patel S, Marnett LJ, Hill MN, Li Y, Teskey GC, Soltesz I. In vivo endocannabinoid dynamics at the timescale of physiological and pathological neural activity. *Neuron*. 2021 Aug 4;109(15):2398-2403. Article selected for cover page.
8. Grillo A, Fezza F, Chemi G, **Colangeli R**, Brogi S, Fazio D, Federico S, Papa A, Relitti N, Di Maio R, Giorgi G, Lamponi S, Valoti M, Gorelli B, Saponara S, Benedusi M, Pecorelli A, Minetti P, Valacchi G, Butini S, Campiani G, Gemma S, Maccarrone M, Di Giovanni G. Selective Fatty Acid Amide Hydrolase Inhibitors as Potential Novel Antiepileptic Agents. *ACS Chem Neurosci*. 2021 May 5;12(9):1716-1736.

9. **Colangeli R**, Teskey GC, Di Giovanni G. Endocannabinoid-serotonin systems interaction in health and disease. *Prog Brain Res*. 2021;259:83-134.
10. Casarrubea M, Davies C, Pierucci M, **Colangeli R**, Deidda G, Santangelo A, Aiello S, Crescimanno G, Di Giovanni G. The impact of chronic daily nicotine exposure and its overnight withdrawal on the structure of anxiety-related behaviors in rats: Role of the lateral habenula. *Prog Neuropsychopharmacol Biol Psychiatry*. 2021 Mar 8;105:110131.
11. Farrell JS*, **Colangeli R***, Dudok B, Wolff MD, Nguyen SL, Jackson J, Dickson CT, Soltesz I, Teskey GC. In vivo assessment of mechanisms underlying the neurovascular basis of postictal amnesia. *Sci Rep*. 2020 Sep 14;10(1):14992. *Co-first authors
12. **Colangeli R**, Morena M, Pittman QJ, Hill MN, Teskey GC. Anandamide Signaling Augmentation Rescues Amygdala Synaptic Function and Comorbid Emotional Alterations in a Model of Epilepsy. *J Neurosci*. 2020 Jul 29;40(31):6068-6081.
13. Yasmin F, **Colangeli R**, Morena M, Filipski S, van der Stelt M, Pittman QJ, Hillard CJ, Teskey GC, McEwen BS, Hill MN, Chattarji S. Stress-induced modulation of endocannabinoid signaling leads to delayed strengthening of synaptic connectivity in the amygdala. *Proc Natl Acad Sci U S A*. 2020 Jan 7;117(1):650-655.
14. Di Maio R, **Colangeli R**, Di Giovanni G. WIN 55,212-2 Reverted Pilocarpine-Induced Status Epilepticus Early Changes of the Interaction among 5-HT_{2C}/NMDA/CB1 Receptors in the Rat Hippocampus. *ACS Chem Neurosci*. 2019 Jul 17;10(7):3296-3306.
15. **Colangeli R**, Di Maio R, Pierucci M, Deidda G, Casarrubea M, Di Giovanni G. Synergistic action of CB1 and 5-HT_{2B} receptors in preventing pilocarpine-induced status epilepticus in rats. *Neurobiol Dis*. 2019 May;125:135-145.
16. **Colangeli R**, Pierucci M, Benigno A, Campiani G, Butini S, Di Giovanni G. The FAAH inhibitor URB597 suppresses hippocampal maximal dentate afterdischarges and restores seizure-induced impairment of short and long-term synaptic plasticity. *Sci Rep*. 2017 Sep 11;7(1):11152.
17. Farrell JS, **Colangeli R**, Wolff MD, Wall AK, Phillips TJ, George A, Federico P, Teskey GC. Postictal hypoperfusion/hypoxia provides the foundation for a unified theory of seizure-induced brain abnormalities and behavioral dysfunction. *Epilepsia*. 2017 Sep;58(9):1493-1501.
18. Casarrubea M, Davies C, Faulisi F, Pierucci M, **Colangeli R**, Partridge L, Chambers S, Cassar D, Valentino M, Muscat R, Benigno A, Crescimanno G, Di Giovanni G. Acute nicotine induces anxiety and disrupts temporal pattern organization of rat exploratory behavior in hole-board: a potential role for the lateral habenula. *Front Cell Neurosci*. 2015 Jun 1;9:197.
19. Marino Gammazza A, **Colangeli R**, Orban G, Pierucci M, Di Gennaro G, Lo Bello M, D'Aniello A, Bucchieri F, Pomara C, Valentino M, Muscat R, Benigno A, Zummo G, de Macario EC, Cappello F, Di Giovanni G, Macario AJ. Hsp60 response in experimental and human temporal lobe epilepsy. *Sci Rep*. 2015 Mar 24;5:9434.
20. Bedse G, **Colangeli R**, Lavecchia AM, Romano A, Altieri F, Cifani C, Cassano T, Gaetani S. Role of the basolateral amygdala in mediating the effects of the fatty acid amide hydrolase inhibitor URB597 on HPA axis response to stress. *Eur Neuropsychopharmacol*. 2014 Sep;24(9):1511-23.

21. Orban G, Bombardi C, Marino Gammazza A, **Colangeli R**, Pierucci M, Pomara C, Pessia M, Bucchieri F, Benigno A, Smolders I, De Deurwaerdère P, Di Giovanni G. Role(s) of the 5-HT_{2C} receptor in the development of maximal dentate activation in the hippocampus of anesthetized rats. *CNS Neurosci Ther*. 2014 Jul;20(7):651-61.
22. Di Giovanni G, García I, **Colangeli R**, Pierucci M, Rivadulla ML, Soriano E, Chioua M, Della Corte L, Yáñez M, De Deurwaerdère P, Fall Y, Marco-Contelles J. N-(furan-2-ylmethyl)-N-methylprop-2-yn-1-amine (F2MPA): A potential cognitive enhancer with MAO inhibitor properties. *CNS Neurosci Ther*. 2014 Jul;20(7):633-40.
23. Cassano T, Romano A, Macheda T, **Colangeli R**, Cimmino CS, Petrella A, LaFerla FM, Cuomo V, Gaetani S. Olfactory memory is impaired in a triple transgenic model of Alzheimer disease. *Behav Brain Res*. 2011 Oct 31;224(2):408-12.
24. Koot S, Zoratto F, Cassano T, **Colangeli R**, Laviola G, van den Bos R, Adriani W. Compromised decision-making and increased gambling proneness following dietary serotonin depletion in rats. *Neuropharmacology*. 2012 Mar;62(4):1640-50.

Book Chapters

- Gom R, Wickramarachchi P, **Colangeli R**, Teskey GC. Anandamide: The good and bad in epilepsy. In: Anandamide in Health and Disease: A volume in Molecular Mediators in Health and Disease: How Cells Communicate.. Electronic ISBN 9780443190810.
- **Colangeli R** and Campolongo P. Sleep-Wake Disorders (Disturbi del sonno). In: Calignano (Ed.) Pharmacotherapy Handbook (Manuale di Farmacoterapia). Idelson-Gnocchi, 2019; ISBN: 9788879476874; pp. 773-779.

Oral communications at national/international meetings & academic institutions

1. **Colangeli R**. Cannabinoids and comorbidities in epilepsy. 10th MNS Conference. "When neuronal firing fails: Epilepsy and its neurobiological consequences. Crete Greece. 7 – 11 June 2025.
2. **Colangeli R**. "Tune the tone": The endocannabinoid system gates plasticity of tonic GABA inhibition. 74rd SIF National Congress. The Italian Society of Physiology Rome, Italy, 11-13 Sept 2024.
3. **Colangeli R**. 2-AG-mediated control of GABAergic plasticity in physiological and pathological condition. 9th MNS Conference, Carthage Tunisia. 14 – 18 Oct 2023.
4. **Colangeli R**. A novel form of endocannabinoid-mediated plasticity of tonic GABA inhibition. 73rd SIF National Congress. The Italian Society of Physiology Pisa, Italy, 6-8 Sept 2023.
5. **Colangeli R**. A novel form of endocannabinoid-mediated plasticity of tonic GABA inhibition. 6th Annual Meeting of Young Researchers in Physiology , Bertinoro (FC), Italy. 21-23 June 2023.
6. **Colangeli R**. Endocannabinoid signaling deficiency drives emotional and cognitive comorbidities in epilepsy. 8th MNS Conference, Dubrovnik, Croatia. May 29 - June 2 2022.
7. **Colangeli R**. Endocannabinoid signaling deficiency drives emotional and cognitive comorbidities in epilepsy. 19th SINS national Congress, Virtual, Sept 9-11, 2021.
8. **Colangeli R**, Morena M., Pittman QJ, Hill MN, Teskey GC. Anandamide Signaling Augmentation Rescues Elevated Emotionality, Impaired Fear Memory and Amygdala Physiological Dysfunction Associated with Repeated Seizure Activity. TOP TRAINEE ABSTRACT PRESENTATIONS. CLAE 2019 Scientific Meeting, Winnipeg MB, Canada, Sept 20-22, 2019.

9. **Colangeli R**, Morena M, Pittman QJ, Hill MN, Teskey GC. Anandamide signaling augmentation rescues emotional alterations and amygdala physiological dysfunctions associated with seizure activity. Gordon Research Seminar on Amygdala Function in Emotion, Cognition and Disease. Stonehill College, Easton, MA, USA, Aug 3-4, 2019.
10. **Colangeli R**. Role of the endocannabinoid system in comorbid cognitive and emotional alterations associated with seizures. 7th Mediterranean Neuroscience Conference, Marrakech, Morocco. June 23 - 27, 2019.
11. **Colangeli R**, Morena M, Pittman QJ, Hill MN, Teskey GC. Anandamide signaling augmentation rescues emotional alterations and amygdala physiological dysfunctions associated with seizure activity. Hotchkiss Brain Institute, Epilepsy Neuroteam Research Retreat. Calgary, AB, Canada May 29, 2019.
12. **Colangeli R**, Morena M, Pittman QJ, Hill MN, Teskey GC. Role of the endocannabinoid system in the emotional alterations associated with amygdala kindling in rats. Stress Neuroteam Retreat, Kananaskis, AB, Canada Mar 11, 2019.
13. **Colangeli R**, Morena M, Pittman QJ, Hill MN, Teskey GC. Endocannabinoid system and emotional comorbidities in epilepsy. Canadian Spring Conference on Behaviour and Brain. Fernie, BC, Canada. Feb 21-23, 2019.
14. **Colangeli R**, Morena M, Farrell JS, Pittman QJ, Hill MN, Teskey GC. Role of the endocannabinoid system in the emotional alterations associated with amygdala kindling in rats. Hotchkiss Brain Institute, Stress Neuroteam Meeting, Calgary, AB, Canada Oct 19, 2018.
15. **Colangeli R**, Morena M, Farrell JS, Pittman QJ, Hill MN, Teskey GC. Amygdalar physiological alterations parallel interictal emotional impairment associated with seizures. Hotchkiss Brain Institute, Epilepsy Neuroteam Research Retreat, Calgary, AB, Canada March 22, 2018.
16. **Colangeli R**, Morena M, Farrell JS, Pittman QJ, Hill MN, Teskey GC. Amygdalar physiological alterations parallel interictal emotional impairment associated with seizures. Canadian Spring Conference on Behaviour and Brain. Fernie, BC, Canada. Feb 22-24, 2018.
17. **Colangeli R**, Pierucci M, Butini S, Di Giovanni G. The fatty acid amide hydrolase inhibitor URB597 suppresses epileptic seizures and does not alter synaptic plasticity at the perforant path-dentate gyrus synapses. Gordon Research Seminar on Cannabinoid Function in the CNS Waterville Valley, NH, USA, Aug 19-20, 2017.
18. **Colangeli R**, Vella M, Pierucci M, Di Giovanni G. The fatty acid amide hydrolase inhibitor URB597 suppresses epileptic seizures and does not alter synaptic plasticity at the perforant path-dentate gyrus synapses. The 27th Annual ICRS Symposium on the Cannabinoids. Montréal, Canada, June 22 - 27, 2017.
19. **Colangeli R**. Effect of endocannabinoid system manipulation in comorbid cognitive impairment associated with epilepsy. The 6th MNS Conference, Radisson BLU St Julian's Malta, June 12-15, 2017.
20. **Colangeli R**, Vella M, Massimo Pierucci M, and Di Giovanni G. The fatty acid amide hydrolase inhibitor URB597 shows anti-seizure effects and reverts seizure-induced alterations of synaptic plasticity at the perforant path-dentate gyrus synapses. Canadian Spring Conference on Behaviour and Brain, Fernie, BC, Canada. Feb 23-25, 2017.
21. **Colangeli R**. Interaction between 5-HT₂ and CB₁ receptors in the rat pilocarpine model of status epilepticus. Canadian Spring Conference on Behaviour and Brain, Fernie, BC, Canada. Feb 2016.
22. **Colangeli R**, Pierucci M, Di Maio R, and Di Giovanni G. Synergistic activity of cannabinoid type 1 and serotonin 2B/2C receptors for the prevention of status epilepticus in rats. IX Malta Medical School Conference, San Julian, Malta, Dec 3-5, 2015.
23. **Colangeli R**, Pierucci M, Butini S, Della Corte L, Di Giovanni G. Endocannabinoid system modulation of hippocampal synaptic plasticity in normal and epileptic conditions, Early stage researcher talks, WG Meeting CSMT COST action. The 5th MNS, Pula, Italy, Jun 12-15, 2015.
24. **Colangeli R**, Gaetani S, Santolini I, Nicoletti F, Ngomba RT, Cuomo V. Role of the endocannabinoid system in different models of absence epilepsy. "Cannabinoidi: presente e futuro", Ferrara, Italy, Sep 14-15, 2012.

Outreach activities

- **Online article** Stanford Medicine. "Marijuana-like brain substance calms seizures but increases aftereffects, study finds." , ScienceDaily, Aug 4, 2021. <https://www.sciencedaily.com/releases/2021/08/210804123457.htm>.
- **Online article.** Marijuana & Managing Epilepsy, University of Malta Research Innovation & Development Trust, Feb 12, 2018. <http://researchtrustmalta.eu/blog/marijuana-managing-epilepsy/>.
- **Newspaper article.** University of Malta scientists speak of 'safe way to block seizures with endocannabinoids', The Malta Independent online, Sep 28, 2017. <http://www.independent.com.mt/articles/2017-09-28/local-news/University-of-Malta-scientists-speak-of-safe-way-to-block-seizures-with-endocannabinoids-6736179529>.
- **Online article.:** A safe way to block seizures with endocannabinoids, University of Malta Newspoint, Sept 27, 2017. <https://www.um.edu.mt/newspoint/news/features/2017/09/asafewaytoblockseizureswithendocannabinoids>.
- **Magazine article:** Marijuana For Epilepsy, Think Magazine, Mar 14, 2016. <https://www.um.edu.mt/think/marijuana-for-epilepsy/>.
- **Public talk:** AAT research on display at Malta parliament, 4th edition of Science in the City. Colangeli R presenting New Strategies for Treating Epilepsy. La Valletta, Malta, Sept 25, 2015.