

PERSONAL INFORMATION

Name: **Giulia Federica Mancini, PhD, PharmD**
Date and place of birth
Nationality: Italian

PRESENT POSITION AND ADDRESS

Postgraduate Specialization student in Clinical Pharmacology and Toxicology. Sapienza University of Rome, Italy. e-mail: giuliafederica.mancini@uniroma1.it

Post-doctoral Fellow, Department of Medicine, Division of Endocrinology, Leiden University Medical Center, Leiden, The Netherlands. e-mail: g.f.mancini@lumc.nl

EDUCATION

present **Postgraduate Specialization student** in Clinical Pharmacology and Toxicology. Sapienza University of Rome, Italy.

Febr 2021 **PhD** in Pharmacology and Toxicology. Sapienza University of Rome, Italy. PhD dissertation titled: “*Resilience and susceptibility to stress-related disorders: insights from animal models*”. (PhD dissertation date: 23/02/21).

Dec 2017 **Board-Certified Pharmacist Doctor (PharmD)**. Sapienza University of Rome, Italy.

Oct 2017 **Master of Pharmacy** (final grade: 110/110 cum laude). Sapienza University of Rome, Italy. An experimental dissertation titled: “*Amphetamine and the ‘bath salt’ 3,4-methylenedioxypyrovalerone (MDPV) differentially affect the accuracy of memory*”.

RESEARCH EXPERIENCE

May 2021-present **Post-doctoral fellow**. Department of Medicine, Division of Endocrinology, Leiden University Medical Center, Leiden, The Netherlands. (laboratory of Prof Onno Meijer).

Jan 2021-April 2021 **Post-doctoral fellow**. Fondazione Santa Lucia, Rome, Italy. (laboratory of Prof Patrizia Campolongo).

Nov 2017-Dec 2020 **PhD student** in “Pharmacology and Toxicology”. Dept. of Physiology and Pharmacology “V.Erspamer”. Sapienza University of Rome, Italy. (laboratory of Prof Patrizia Campolongo).

Jul 2017-Sept 2017 **Visiting student**, Faculty of Basic and Biomedical Sciences, Paris Descartes University, Paris, France. (laboratory of Dr Cendra Agulhon)

Oct 2016-Oct 2017 **Master student.** Dept. of Physiology and Pharmacology, Sapienza University of Rome, Italy. (laboratory of Prof Patrizia Campolongo).

OTHER EXPERIENCES

Sept 2022 **Lecture** on “Stress models and pharmacology” at the course (Neuro)pharmacology” at the course of “Glucocorticoids in the brain: neuroendocrine disease and brain function” at the Leiden University Medical Center, Leiden, The Netherlands – *course’s organizer.*

Sept 2022 **Lectures** on “(Neuro)pharmacology” at the course of Minor Brain and Cognition at the Leiden University Medical Center, Leiden, The Netherlands.

Sept 2022 **Teaching activity** at the course on “Cannabis L. sativa: agronomic, chemical-analytical, medical-toxicological economic-legislative aspects” (“La filiera della Cannabis sativa L.: aspetti agronomici, chimicoanalitici, medico-tossicologici economico-legislativi”), promoted by the faculty of Chemistry and Pharmaceutical Technologies (SSD BIO/14) at Sapienza University of Rome, Italy.

July 2022 **Teaching activity** at the PhD course of Pharmacology and Toxicology on “Developmental toxicology: experimental models” at Sapienza University of Rome, Italy.

July 2022 **Lecture** on “Biotech drugs” at the course of Pharmacology and Pharmacognosy (SSD BIO/14) at the faculty of Chemistry and Pharmaceutical Technologies at Sapienza University of Rome, Italy.

Sept 2021 **Lecture** on “Early life stress” at the course of FOS Depression at Leiden University Medical Center, Leiden, The Netherlands.

March 2021-present **Exam committee member - Expert in the field of “General and Molecular Pharmacology” and “Pharmacology and Pharmacognosy” SSD BIO/14 (Cultore della materia – membro commissione di esame: “Farmacologia Generale e Molecolare” e “Farmacologia e Farmacognosia” SSD BIO/14)** at the faculty of Pharmacy, and at the faculty of Chemistry and Pharmaceutical Technologies at Sapienza University of Rome, Italy.

Oct 2020 **on merit External Teacher at Middle and High Schools** joining the project “Smart drug? No grazie!”, promoted by ASL Roma 6 (Lazio, Italy). Project Manager: Dr. Marina Bruno.

Sept 2019 **Course on Learning and Memory.** Neuroscience School of AdvancedStudies (NSAS).

CERTIFICATIONS

Sept 2021 **Laboratory animal science certification (FELASA).** Fondazione Santa Lucia, Rome, Italy.

ACADEMIC SUPERVISING AND MENTORING ACTIVITIES

Training of 7 MSc students during my PhD (Sapienza University of Rome, Italy).

MSc Thesis external committee member and co-supervisor, student Federica Pompei (Sapienza University of Rome, Italy) - Apr 2021- Oct 2021.

MSc student co-supervisor, student Julia Sidorov (Leiden University Medical Center, The Netherlands) - Jan 2022-June 2022.

Bachelor student co-supervisor, student Evi Koenekoop (Leiden University Medical Center, The Netherlands) - Sept 2022-Dec 2022.

Mentoring activities for 2 MSc students (Tirza Post and Maaïke Grimm) at the “FOS depression” course (Leiden University, The Netherlands).

Mentoring activities for 2 Bachelor students (Sofia Held and Gavin Tan) at the “Hormones and the Nervous System” course (Leiden University, The Netherlands).

SCIENTIFIC JOURNAL REFEREE ACTIVITY

PlosOne, Frontiers in Pharmacology, Molecular and Cellular Neuroscience, Behavioural Brain Research, Progress in Neuropsychopharmacology and Biological Psychiatry, and Pharmacological Reports.

PRIZES/AWARDS/FELLOWSHIPS

2022 International Brain Research Organization (IBRO) Travel Award to support the attendance to the Mediterranean Neuroscience Society (MNS) 8th Conference, 29 May-2 June 2022, Dubrovnik, Croatia. (€500).

2022 Vittorio Erspamer award, promoted by the Department of Physiology and Pharmacology (Sapienza University of Rome, Italy). (€2.000 to use for a publication in a peer-reviewed journal).

2022 Fellowship for teaching activity at the course on “Cannabis L. sativa: agronomic, chemical-analytical, medical-toxicological economic-legislative aspects” (“La filiera della Cannabis sativa L.: aspetti agronomici, chimicoanalitici, medico-tossicologici economico-legislativi”), promoted by the faculty of Chemistry and Pharmaceutical Technologies (SSD BIO/14) at Sapienza University of Rome, Italy.

2022 Research fellowship released by Società Italiana di Farmacologia, Italy (€3.000).

2022 Post-graduate specialization student fellowship released by Sapienza University of Rome, Italy.

2021 Best oral communication prize. Oral communication titled: “Late glucocorticoid receptor antagonism normalizes the enduring effects induced by brief and repeated periods of social isolation stress during early-adolescence. Società Italiana di Farmacologia (SIF) 40th Conference, 10-13 March 2021, web-conference. (€500)

2020 Research fellowship released by Fondazione Santa Lucia, Italy (Jan 2021-April 2021). (€5.300)

2020 Fellowship for post-graduate period abroad (borsa di studio per corso di perfezionamento all'estero) released by Sapienza University of Rome, Italy (€ 15.480).

2019 ISPNE Travel Award to support the attendance to the International Society of Psychoneuroendocrinology (ISPNE) Conference, 29-31 August 2019, Milan, Italy. (\$500)

2019 Best poster prize. Poster titled: “Long-term behavioral effects of brief and repeated periods of social isolation stress during early-adolescence”, Mediterranean Neuroscience Society 7th Conference 23-27 June 2019, Marrakech,

Morocco. (€500)

2017 Individual three years PhD fellowship released by Ministry of Education, Italy. (€40.900)

2017 Fellowship for neuroscience project abroad released by Associazione Valentina de Castro, Italy. (€2.350)

2017 Fellowship for thesis abroad released by Sapienza University of Rome, Italy. (€2.821)

RESEARCH SUPPORT AS PARTICIPANT

2018-2021 Sapienza Università di Roma (€40.000). Research project title “Enhancing strength and generalization of extinction memory to treat post-traumatic stress disorder (PTSD): a preclinical study focusing on the interplay between the glucocorticoid and endocannabinoid systems”.

2017-2020 Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (€392.072). Research project title “Early life stress and psychopathology: unravelling the mechanisms of vulnerability and resilience”.

2017-2020 ERA-NET NEURON (€50.000). Research project title “Mapping and interrogating top-down control of the memory engram of the posttraumatic stress disorder”.

RESEARCH SUPPORT AS PRINCIPAL INVESTIGATOR

2020 Grant “Avvio alla Ricerca 2020” released by the Sapienza University of Rome, Italy (€ 1.000). Research project title “Isolamento sociale breve e ripetuto in adolescenza: meccanismi neurobiologici di suscettibilità e resilienza verso lo sviluppo di patologie psichiatriche in ratti maschi e femmina adulti”.

PUBLICATIONS (PEER REVIEWED JOURNALS)

1. Roberta Facchinetti, Marta Valenza, Chiara Gomiero, **Giulia Federica Mancini**, Luca Steardo, Patrizia Campolongo Patrizia, Caterina Scuderi. Co-ultramicrosized Palmitoylethanolamide/Luteolin restores the astrocytes/oligodendrocytes coupling required for myelination via peroxisome proliferator-activated receptor- α in an in vitro model of β -amyloid toxicity. *Biomedicines*. 2022; 10(6), 1236. **IF=4.757**
2. **Giulia Federica Mancini**, Enrico Marchetta, Irene Pignani, Viviana Trezza, Patrizia Campolongo. Social defeat stress during early adolescence confers resilience against a single episode of prolonged stress in adult rats. *Cells*. 2021; 10(2):360. **IF=7.666**
3. **Giulia Federica Mancini**, Enrico Marchetta, Eleonora Riccardi, Viviana Trezza, Maria Morena, Patrizia Campolongo. Sex-divergent long-term effects of single prolonged stress in adult rats. *Behav. Brain Res*. 2021; 401:113096. **IF=3.352**
4. Maria Morena, Paola Colucci, **Giulia Federica Mancini**, Valentina De Castro, Andrea Peloso, Gustav Schelling, Patrizia Campolongo. Ketamine anesthesia enhances fear memory consolidation via noradrenergic activation in the basolateral amygdala. *Neurobiol Learn Mem*. 2020; 178:107362. **IF=3.109**
5. Paola Colucci, Enrico Marchetta, **Giulia Federica Mancini**, Phoebe Alva, Flavia Chiarotti, Mazahir T Hasan, Patrizia Campolongo. Predicting susceptibility and resilience in an animal model of post-traumatic stress disorder (PTSD). *Transl Psychiatry*. 2020; 10(1):243. **IF=7.989**
6. Paola Colucci[#], **Giulia Federica Mancini**[#], Alessia Santori, Clemens Zwergel, Antonello Mai, Viviana Trezza, Benno Roozendaal, Patrizia Campolongo. Amphetamine and the smart drug 3,4-metmethylenedioxypyrovalerone (MDPV) induce generalization of fear memory in rats. *Front Mol Neurosci*. 2019; 12:292; #, equal contribution. **IF=8.713**
7. Alessia Santori, Paola Colucci, **Giulia Federica Mancini**, Maria Morena, Maura Palmery, Viviana Trezza, Stefano Puglisi-Allegra, Matthew N. Hill, Patrizia Campolongo. Anandamide modulation of circadian- and stress-dependent effects on rat short-term memory. *Psychoneuroendocrinology*. 2019; 108: 155-162. **IF=4.693**

PUBLICATIONS UNDER REVIEW

1. Maria Morena, **Giulia Federica Mancini**, Patrizia Campolongo. Prediction of susceptibility/resilience towards animal model of post-traumatic stress disorder (PTSD). Chapter in Neuromethods. 2022, *accepted*.
2. Enrico Marchetta, **Giulia Federica Mancini**, Maria Morena, Patrizia Campolongo. Combining exposure-based therapies with pharmacology: from preclinical stage to clinical interventions in PTSD treatment. Current Neuropharmacology. 2022, *accepted*.

ORGANIZATION CONFERENCE/SYMPOSIUM

Symposium. Mediterranean Neuroscience Society (MNS) 8th Conference, 29 May-2 June 2022, Dubrovnik, Croatia. Postdoctoral Research Symposium on Stress. Chairs: **Giulia Federica Mancini**, Patrizia Campolongo.

PRESENTATIONS AT NATIONAL/INTERNATIONAL MEETINGS

1. **Mancini GF**, Di Cesare B, Buurstede JC, Pisaneschi A, Meijer OC, Campolongo P. Late glucocorticoid receptor antagonism normalizes the programming effects of brief and repeated periods of social isolation stress in adolescent rats. Society for Neuroscience (SFN) Conference, 12-16 Nov 2022, San Diego, California (USA) – *nano-symposium speaker*.
2. Morena M, **Mancini GF**, Blasi E, Riccardi E, Pisaneschi A, Meijer OC, Campolongo P. Behavioral and molecular characterization of PTSD-like susceptible and resilient lines of rats. Society for Neuroscience (SFN) Conference, 12-16 Nov 2022, San Diego, California (USA). (poster presentation)
3. **Mancini GF**, Campolongo P. Long-term effects of early-life adverse events: the role of sex differences. Mediterranean Neuroscience Society 8th Conference, 29 May-2 June 2022, Dubrovnik, Croatia - *symposium speaker and co-chair, and travel award's winner*.
4. **Mancini GF**, Buurstede JC, Di Cesare B, Pisaneschi A, Campolongo P, Meijer OC. Late glucocorticoid receptor antagonism counteracts the programming effects of brief and repeated social isolation stress in early-adolescent rats. Steroids and Nervous System (SNS) 2022, 19-22 February 2022, web-conference. (oral communication)
5. **Mancini GF**, Campolongo P. Enduring effects of early life stressors: the role of sex-differences. NEURO2021, 2-3 December 2021, web-conference – *invited speaker*.
6. **Mancini GF**, Marchetta E, Colucci Paola, Lucarella F, Campolongo P. Late glucocorticoid receptor antagonism normalizes the enduring effects induced by brief and repeated periods of social isolation stress during early- adolescence. Società Italiana di Farmacologia (SIF) 40th Conference, 9-13 March 2021, web-conference. (oral communication)
7. **Mancini GF**, Marchetta E, Splendori M, Filosa M, Campolongo P. Long-term effects of brief and repeated periods of social isolation stress during early adolescence. Società Italiana di Farmacologia (SIF) 39th Conference, 20-23 November 2019, Firenze, Italy. (poster presentation)
8. Marchetta E, **Mancini GF**, Splendori M, Campolongo P. Social defeat stress during early adolescence affects susceptibility to stress-related disorders in adult rats. Società Italiana di Farmacologia (SIF) 39th Conference, 20-23 November 2019, Firenze, Italy (poster presentation)

9. **Mancini GF**, Marchetta E, Splendori M, Campolongo P. Enduring behavioral effects of brief and repeated periods of social isolation stress during early adolescence. 18th National Congress of the Italian Society for Neuroscience (SINS), 26-29 September 2019, Perugia, Italy. (poster presentation)
10. Marchetta E, **Mancini GF**, Splendori M, Campolongo P. Social defeat stress during early adolescence affects susceptibility to stress-related disorders in adult rats. 18th National Congress of the Italian Society for Neuroscience (SINS), 26-29 September 2019, Perugia, Italy (poster presentation)
11. **Mancini GF**, Marchetta E, Splendori M, Campolongo P. Enduring effects induced by brief and repeated periods of social isolation stress during early adolescence. International Society of Psychoneuroendocrinology (ISPNE) Conference, 29-31 August 2019, Milano, Italy. *Travel award winner*. (poster presentation)
12. **Mancini GF**, Marchetta E, Splendori M, Filosa M, Campolongo P. Long-term behavioral effects of brief and repeated periods of social isolation stress during early adolescence. Mediterranean Neuroscience Society 7th Conference, 23- 27 June 2019, Marrakech, Morocco. *Best poster prize winner*. (poster presentation)
13. Marchetta E, **Mancini GF**, Splendori M, Campolongo P. Social defeat stress during early adolescence affects susceptibility to stress-related disorders in adult rats. Mediterranean Neuroscience Society 7th Conference 23-27 June 2019, Marrakech, Morocco (poster presentation)
14. Colucci P; Marchetta E, **Mancini GF**, Marangio F, Puglisi Allegra S, Campolongo P. Predicting susceptibility and resilience in an animal model of post-traumatic stress disorder (PTSD). Mediterranean Neuroscience Society 7th Conference 23-27 June 2019, Marrakech, Morocco (oral communication)
15. Santori A, Colucci P, **Mancini GF**, Ferrante P, Morena M, Hill MN, Campolongo P. Endocannabinoid modulation of circadian- and stress-dependent effects on short-term memory in rats. Mediterranean Neuroscience Society 7th Conference 23-27 June 2019, Marrakech, Morocco (poster presentation)
16. **Mancini GF**, Colucci P, Splendori M, Roozendaal B, Campolongo P. The psychostimulants Amphetamine and the “bath salt” 3,4- methylenedioxypropylvalerone (MDPV) differentially affect the accuracy of memory in rats. 11th FENS Forum of Neuroscience (Federation of European Neuroscience Societies), 7-11 July 2018, Berlin, Germany. (poster presentation)
17. Colucci P, **Mancini GF**, Santori A, Roozendaal B, Campolongo P. Amphetamine and the “bath salt” 3,4-methylenedioxypropylvalerone (MDPV) differentially affect the accuracy of memory for emotional experiences in rats. International Conference on Learning and Memory, 18-22 April 2018, UC Irvine, California (USA) (poster presentation)
18. Colucci P, **Mancini GF**, Santori A, Roozendaal B, Campolongo P. Amphetamine and the 'bath salt' MDPV enhance generalization of memory for emotional experiences in rats. Mediterranean Neuroscience Society 6th Conference 12 – 15 June 2017, St Julian’s Malta (poster presentation)
19. Colucci P, **Mancini GF**, Santori A, Campolongo P. Amphetamine and the “bath salt” 3,4-methylenedioxypropylvalerone (MDPV) alter accuracy of memory for emotional arousing experiences in rats. Società Italiana di Farmacologia (SIF) 38th Conference, 25-28 October 2017, Rimini, Italy (poster presentation)