

PERSONAL INFORMATION

Massimo Grilli PhD



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Sex Male | Date of birth 27/05/1976 | Nationality Italian

Dr. Massimo Grilli is an Associate Professor in Pharmacology at the Department of Pharmacy, University of Genoa, a position he has held since 2019. His academic career at the University of Genoa also includes a prior role as an Assistant Professor from 2011 to 2019. Dr. Grilli earned his PhD in Experimental, Molecular and Clinical Biology and Medicine, with a specialization in Pharmacology and Toxicology, in 2008 from the Department of Experimental Medicine, University of Genoa.

Dr. Grilli's research interests are centered on neuropharmacology and neuroscience, with a strong focus on data analysis, behavioral studies, and both in vivo and in vitro testing. His significant contributions to the field are evidenced by a substantial publication record, including 63 publications indexed in Scopus, an H-index of 27, and 1637 citations.

In addition to his research and teaching responsibilities, Dr. Grilli holds several key academic roles. He currently serves as the President of the Animal Welfare Body (OPBA) at the University of Genoa (since 2023), Animal Welfare Manager for the Department of Pharmacy (since 2023), and is a member of the PRIN STC (since 2024). Furthermore, he has been an AQ Member for the Department of Pharmacy since 2019 and a Member of the PhD Course Committee in Experimental Medicine since 2024. Dr. Grilli is also actively involved in the scientific community as an associate editor and editor for several journals, including Frontiers in Neuropharmacology and Biomedicines (MDPI), and as a project evaluator for various national and international funding agencies.

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

Academic Roles

- 2023-to present

President of OPBA
University of Genoa
[Organismo preposto al Benessere degli Animali OPBA | UniGe | Università di Genova](#)
- 2023 to present

Animal Welfare Manager
University of Genoa Dept. of Pharmacy
- 2024 to present

Member of PRIN STC
University of Genoa
- 2019 to present

AQ Member
University of Genoa Dept. of Pharmacy
- 2024 to present

Member of CC
University of Genoa PhD Course
[Dottorato di Ricerca in Medicina Sperimentale DMS – Dottorato di Medicina Sperimentale UniGE](#)

WORK EXPERIENCE

- (2019 – to present)

Associate Professor
University of Genoa _Dept. of Pharmacy
▪ Professor of Pharmacology
- (2011 – 2019)

Accademic
Assistant Professor
University of Genoa _Dept. of Pharmacy
Accademic

(2009 – 2011)

Technician

University of Genova Dept. of Experimental Medicine

- Research and data analysis

EDUCATION AND TRAINING

(2008)

PhD in Experimental, Molecular and Clinical Biology and Medicine: Pharmacology and Toxicology.

*Replace with EQF
(or other) level if
relevant*

Department of Experimental Medicine, University of Genova, Italy.

- Neuropharmacology
- Neuroscience
- Data analysis
- Behaviour
- In vivo and in vitro tests.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English

Job-related skills Problem solving, graphical skills, and Team working

Digital skills Advanced office, Statistical analysis, Video tracking analysis, and graphical software

ADDITIONAL INFORMATION

Total number 63 (scopus)

Hindex 27

Citations 1637

Average IF- 4,8

Area 05

BIOS11/A

ASN threshold for Full Professor position (05/G1-SSD-BIO/14)

Selective publications

Last 5 years

Monaco M., Torazza C., Fedele E., Grilli M.

The Impact of the Exosome on Alzheimer's Disease: The Influence of Nutrition (2025) International Journal of Molecular Sciences, 26 (7), art. no. 3015

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002339368&doi=10.3390%2fijms26073015&partnerID=40&md5=7f96ac40452aefb4524b6e31de60340a>

DOI: 10.3390/ijms26073015

PUBMED ID: 40243652

Trebesova, H., Monaco, M., Baldassari, S., Ailuno, G., Lancellotti, E., Caviglioli, G., Pittaluga, A.M., Grilli, M.

Unveiling Niaprazine's Potential: Behavioral Insights into a Re-Emerging Anxiolytic Agent (2024) 12 (9), art. no. 2087, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205072968&doi=10.3390%2fbiomedicines12092087&partnerID=40&md5=60d6ef7a5f277a1fdda86e5b174150ad>

DOI: 10.3390/biomedicines12092087
ISSN: 22279059

Monaco, M., Trebesova, H., Grilli, M.
Muscarinic Receptors and Alzheimer's Disease: New Perspectives and Mechanisms
(2024) 46 (7), pp. 6820-6835.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199614301&doi=10.3390%2fcimb46070407&partnerID=40&md5=f0abbc6e569cce631a4d091e4dbbcf1f>

DOI: 10.3390/cimb46070407
ISSN: 14673037
CODEN: CMBIF

Olivero, G., Taddeucci, A., Vallarino, G., Trebesova, H., Roggeri, A., Gagliani, M.C., Cortese, K., Grilli, M., Pittaluga, A.
Complement tunes glutamate release and supports synaptic impairments in an animal model of multiple sclerosis
(2024) 181 (12), pp. 1812-1828.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185689390&doi=10.1111%2fbph.16328&partnerID=40&md5=7cddc8ae62950b4c82f9c1d4e47e2e59>

DOI: 10.1111/bph.16328
ISSN: 00071188
CODEN: BJPCB
PUBMED ID: 38369641

Pittaluga, A., Grilli, M., Olivero, G.
Progress in metamodulation and receptor-receptor interaction: From physiology to pathology and therapy
(2023) 237, art. no. 109639, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162918922&doi=10.1016%2fj.neuropharm.2023.109639&partnerID=40&md5=6018b36f1262d5c50548d6725249f075>

DOI: 10.1016/j.neuropharm.2023.109639
ISSN: 00283908
CODEN: NEPHB
PUBMED ID: 37343628

Olivero, G., Grilli, M., Marchi, M., Pittaluga, A.
Metamodulation of presynaptic NMDA receptors: New perspectives for pharmacological interventions
(2023) 234, art. no. 109570, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156213267&doi=10.1016%2fj.neuropharm.2023.109570&partnerID=40&md5=0bf16a3f04afa9f9a3657a6a5d95c9b5>

DOI: 10.1016/j.neuropharm.2023.109570
ISSN: 00283908
CODEN: NEPHB
PUBMED ID: 37146939

Turrini, F., Donno, D., Grasso, F., Mustorgi, E., Beccaro, G.L., Guido, M., Fior, T., Grilli, M., Pittaluga, A., Boggia, R.
EEM Fluorescence Spectroscopy Coupled with HPLC-DAD Analysis for the Characterization of Bud Derivative Dietary Supplements: A Preliminary Introduction to GEMMAPP, the Free Data-Repository from the FINNOVER Project
(2023) 13 (15), art. no. 8679, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0->

85168277843&doi=10.3390%2fapp13158679&partnerID=40&md5=60f1b015554d887d48d970b657087795

DOI: 10.3390/app13158679
ISSN: 20763417

Bono, F., Fiorentini, C., Mutti, V., Tomasoni, Z., Sbrini, G., Trebesova, H., Marchi, M., Grilli, M., Missale, C.

Central nervous system interaction and crosstalk between nAChRs and other ionotropic and metabotropic neurotransmitter receptors

(2023) 190, art. no. 106711, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150444406&doi=10.1016%2fj.phrs.2023.106711&partnerID=40&md5=2e205c890e1e9e64c950d8fad2e0f3eb)

85150444406&doi=10.1016%2fj.phrs.2023.106711&partnerID=40&md5=2e205c890e1e9e64c950d8fad2e0f3eb

DOI: 10.1016/j.phrs.2023.106711
ISSN: 10436618
CODEN: PHMRE
PUBMED ID: 36854367

Trebesova, H., Orlandi, V., Boggia, R., Grilli, M.

Anxiety and Metabolic Disorders: The Role of Botanicals

(2023) 45 (2), pp. 1037-1053.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148960086&doi=10.3390%2fcimb45020068&partnerID=40&md5=b2cc24b178619cd1fed223d144e09088)

85148960086&doi=10.3390%2fcimb45020068&partnerID=40&md5=b2cc24b178619cd1fed223d144e09088

DOI: 10.3390/cimb45020068
ISSN: 14673037
CODEN: CMBIF
PUBMED ID: 36826013

Grilli, M.

Editorial: New insights into presynaptic G protein-coupled receptors and addiction

(2023) 17, art. no. 1358243, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182648844&doi=10.3389%2ffncel.2023.1358243&partnerID=40&md5=83fc3d71d67ac5c7a000f06fe57ca1c1)

85182648844&doi=10.3389%2ffncel.2023.1358243&partnerID=40&md5=83fc3d71d67ac5c7a000f06fe57ca1c1

DOI: 10.3389/fncel.2023.1358243
ISSN: 16625102

Grilli, M., Zaed, I.

Editorial: Neuroplasticity in cognitive and psychological mechanisms of anxiety

(2023) 16, art. no. 1241279, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165212369&doi=10.3389%2ffnmol.2023.1241279&partnerID=40&md5=a7dd71dd3e8401814e750e1d2bb6b0db)

85165212369&doi=10.3389%2ffnmol.2023.1241279&partnerID=40&md5=a7dd71dd3e8401814e750e1d2bb6b0db

DOI: 10.3389/fnmol.2023.1241279
ISSN: 16625099

Raber, J., Caruncho, H.J., De Deurwaerdere, P., Grilli, M.

Editorial: Insights on neuroinflammatory response by microglia-targeted pharmacology

(2023) 14, art. no. 1205859, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159908833&doi=10.3389%2ffphar.2023.1205859&partnerID=40&md5=69cda12cd294fda479770b9f2105846d)

85159908833&doi=10.3389%2ffphar.2023.1205859&partnerID=40&md5=69cda12cd294fda479770b9f2105846d

DOI: 10.3389/fphar.2023.1205859

ISSN: 16639812

Taddeucci, A., Olivero, G., Roggeri, A., Milanese, C., Giorgio, F.P.D., Grilli, M., Marchi, M., Garrone, B., Pittaluga, A.

Presynaptic 5-HT_{2A}-mGlu_{2/3} Receptor–Receptor Crosstalk in the Prefrontal Cortex: Metamodulation of Glutamate Exocytosis

(2022) 11 (19), art. no. 3035, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139760110&doi=10.3390%2fcells11193035&partnerID=40&md5=db52b7d5d29529e38aac81bca7147fc7)

[85139760110&doi=10.3390%2fcells11193035&partnerID=40&md5=db52b7d5d29529e38aac81bca7147fc7](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139760110&doi=10.3390%2fcells11193035&partnerID=40&md5=db52b7d5d29529e38aac81bca7147fc7)

DOI: 10.3390/cells11193035

ISSN: 20734409

PUBMED ID: 36230998

Trebesova, H., Olivero, G., Marchi, M., Grilli, M.

The Anti-Aggregative Peptide KLVFF Mimics A β 1-40 in the Modulation of Nicotinic Receptors:

Implications for Peptide-Based Therapy

(2022) 10 (9), art. no. 2231, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138512256&doi=10.3390%2fbiomedicines10092231&partnerID=40&md5=4f081e639e7c08247174cf88bda4b49e)

[85138512256&doi=10.3390%2fbiomedicines10092231&partnerID=40&md5=4f081e639e7c08247174cf88bda4b49e](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138512256&doi=10.3390%2fbiomedicines10092231&partnerID=40&md5=4f081e639e7c08247174cf88bda4b49e)

DOI: 10.3390/biomedicines10092231

ISSN: 22279059

Turrini, F., Vallarino, G., Cisani, F., Donno, D., Beccaro, G.L., Zunin, P., Boggia, R., Pittaluga, A., Grilli, M.

Use of an animal model to evaluate anxiolytic effects of dietary supplementation with *tilia tomentosa* moench bud extracts

(2020) 12 (11), art. no. 3328, pp. 1-21.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094621582&doi=10.3390%2fnu12113328&partnerID=40&md5=2bdb47b314d5a567077cd72ee05f7ce3)

[85094621582&doi=10.3390%2fnu12113328&partnerID=40&md5=2bdb47b314d5a567077cd72ee05f7ce3](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094621582&doi=10.3390%2fnu12113328&partnerID=40&md5=2bdb47b314d5a567077cd72ee05f7ce3)

DOI: 10.3390/nu12113328

ISSN: 20726643

PUBMED ID: 33138077

Turrini, F., Donno, D., Beccaro, G.L., Pittaluga, A., Grilli, M., Zunin, P., Boggia, R.

Bud-derivatives, a novel source of polyphenols and how different extraction processes affect their composition

(2020) 9 (10), art. no. 1343, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092232370&doi=10.3390%2ffoods9101343&partnerID=40&md5=a5377715254acad6085bd1d28d7bb98d)

[85092232370&doi=10.3390%2ffoods9101343&partnerID=40&md5=a5377715254acad6085bd1d28d7bb98d](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092232370&doi=10.3390%2ffoods9101343&partnerID=40&md5=a5377715254acad6085bd1d28d7bb98d)

DOI: 10.3390/foods9101343

ISSN: 23048158

Boggia, R., Turrini, F., Roggeri, A., Olivero, G., Cisani, F., Bonfiglio, T., Summa, M., Grilli, M., Caviglioli, G., Alfei, S., Zunin, P., Bertorelli, R., Pittaluga, A.

Neuroinflammation in aged brain: Impact of the oral administration of ellagic acid microdispersion

(2020) 21 (10), art. no. 3631, .

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085390346&doi=10.3390%2fijms21103631&partnerID=40&md5=32ef8f8f93c373175efd437ac586cbfa)

[85085390346&doi=10.3390%2fijms21103631&partnerID=40&md5=32ef8f8f93c373175efd437ac586cbfa](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085390346&doi=10.3390%2fijms21103631&partnerID=40&md5=32ef8f8f93c373175efd437ac586cbfa)

DOI: 10.3390/ijms21103631

ISSN: 16616596

PUBMED ID: 32455600

Projects

Active

Hybrid Hub (H2UB): Cellular and computational models, micro and nanotechnologies for the personalization of innovative therapies. Participant

NEXTGENERATIONEU (NGEU) and funded by the Ministry of University and Research (MUR), National Recovery and Resilience Plan (NRRP), project MNESYS (PE0000006) – A Multiscale integrated approach to the study of the nervous system in health and disease (DN. 1553 11.10.2022) Participant

Editorial activities

Associate editor in neuropharmacology (FRONTIERS)

Editor of Biomedicine (MDPI)

Editor of Neural plasticity (Hindawi)

Editor of BMC Complementary Medicine and Therapies (BMC)

Special issue editor (Beta Amyloid: Synaptic Regulation and Dysregulation-BIOMEDICINE)

Chapter author (UTET Università, Zanichelli Cea)

Membership

Member of Italian Society of Pharmacology (SIF)

Member of the Society for Neuroscience (SfN)

Project evaluator

Scientific evaluation of projects proposed for EU funding to the European Commission

Scientific evaluation of projects proposed for Alzheimer's Association

Other scientific evaluations: - Italian Ministry of Education, University of Modena, University of Cagliari, University of Brescia

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV