

# Annalisa Tassone

## Curriculum Vitae

Place Rome  
Date 30/09/2024

### Part I – General Information

Full Name	Annalisa Tassone
Citizenship	Italian
E-mail	<a href="mailto:annalisa.tassone@unicamillus.org">annalisa.tassone@unicamillus.org</a>

### Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2005	University of Rome “La Sapienza” Italy	Biological Sciences, B.Sci. (cum laude);
Post-graduate studies	2020	Academy of Fine Arts	Master, integration of student with special educational needs
	2021	University Niccolo’Cusano	Master (cum laude) Forensic medicine and personal injury
PhD	2011	University of Rome Tor Vergata, Italy	In Neuroscience. Thesis titled: Developmental profile of the aberrant dopamine D2 receptor response in striatal cholinergic interneurons in DYT1 dystonia”, published PloS one
Specialty			
Pre-doctorate training	2006	IRCCS - Fondazione Santa Lucia, Rome	training of immunohistochemistry, immunocytochemistry and electrophysiology analyses
Post-doctorate	2007	University of Rome Tor Vergata, Italy	Post-doc working on different project with molecular biology, biochemistry, electrophysiology researcher working with cellular and mice models and ex neurons derived from induced pluripotent stem cells.
Licensure 01	2007	University of Rome Tor Vergata, Italy	National qualification to practice as Biologist
Licensure 02	2017	IRCCS Fondazione Santa Lucia	FELASAA Course F023/09
Licensure 03	2023	Ministero Università e Ricerca	ASN, Scientific qualification as associate professor in the Italian higher education system (Ministerial Decree n. 553/2021 and 589/2021) for the disciplinary field of 05/D1 -Physiology

### Part III – Appointments

#### IIIA – Academic Appointments

Start	End	Institution	Position
02/02/2004	25/05/2006	University “Sapienza” Department Biology e Biotechnology university of Rome	Internship - thesis titled: “Study of the Expression of Cholinergic Markers in Schwann Cells”
01/11/2008	31/10/2011	University "Tor Vergata" - Dip. Medicina dei sistemi Rome	Fellowship PhD student in Neuroscience; thesis titled: “Developmental profile of the aberrant dopamine D2 receptor response in striatal cholinergic interneurons in DYT1 dystonia”, published PloS one
14/02/2010	01/08/2011	<b>Harvard Medical School</b> , Massachusetts General Hospital – Boston (USA). Lab. O. Breakefield Professor of Neurology and Neurogenetics Unit	<b>Research Assistant</b> (formal assignment); Experimental work in the field of cellular models in neurobiology; title "The role of torsinA on cell surface trafficking of dopamine 2 receptors in DYT1”
04/01/2013	22/02/2013	Katholieke Universiteit Leuven - Leuven laboratorio del Prof. Rose Goodchild.	Fellowship COST; work title: "Experimental design for the generation of new genetic mouse models of dystonia”
23/06/2017	23/11/2017	Università di Rome Torvergata	Fellowship; Experimental work in DYT1 models mice
01/01/2017	10/06/2017	Università Roma Tor Vergata	Fellowship; Experimental work in the field of Developmental neurobiology of DYT1 with molecular biology, biochemistry, electrophysiology, neuronal differentiation and ex vivo of neurons derived from induced pluripotent stem cells.

#### IIIB – Other Appointments

Start	End	Institution	Position
01/11/2006	01/10/2007	IRCCS Fondazione Santa Lucia - Rome	Internship
30/10/2007	30/10/2008	IRCCS Fondazione Santa Lucia - Rome	Fellowship
12/11/2011	31/12/2011	IRCSS Fondazione Santa Lucia - Rome (Co.Co.Co.)	Post-Doc
02/11/2012	31/10/2013	IRCCS Fondazione Santa Lucia - Rome (Co.Co.Co)	Post-Doc
05/11/2013	31/10/2014	IRCCS Fondazione Santa Lucia - Rome (Co.Co.Co)	Post-Doc
04/11/2014	30/11/2016	IRCCS Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist

05/06/2017	30/06/2017	IRCCS Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
02/01/2018	31/12/2018	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
07/01/2019	31/12/2019	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
18/01/2020	30/09/2020	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
01/01/2021	14/02/2021	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
20/04/2022	19/08/2022	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist
22/08/2022	Present	IRCCS -Fondazione Santa Lucia - Rome (Co.Co.Co)	Research Biologist

#### Part IV – Teaching experience

Year	Institution	Lecture/Course
2017- Present	University of Niccolò Cusano, Rome	Teacher of Master degree (2 years a.y.) biology (3CFU)
01/10/2021 - al 31/12/2022	UniCamillus - Saint Camillus International University of Health Sciences - via di S.Alessandro 8 - ROMA	Teaching activities (art. 23 L. 240/10). 05/BIOS-12, SSD BIOS/12-A (già Bio/16) human anatomy (2CFU) Degree dentistry
01/10/2022 - al 30/09/2023	University Saint Camillus International University of Health Sciences Rome	Teaching activities (art. 23 L. 240/10). 05/BIOS-12, SSD BIOS/12-A (già Bio/16) human anatomy (2CFU) BSc Physiotherapy
01/10/2022-present	University Saint Camillus International University of Health Sciences Rome	- Member of the didactic commission in physiotherapy; - contribute to the definition of the University's strategic teaching objectives, monitor their achievement and propose any revision - monitor the evolution of the training and promote its innovation, in accordance with the strategy of the University, paying attention to the quality of teaching, the orientations
01/10/2023 - al 30/09/2024	University Saint Camillus International University of Health Sciences Rome	Teaching activities (art. 23 L. 240/10). 05/BIOS-12, SSD BIOS/12-A (già Bio/16) human anatomy (2CFU) BSc Physiotherapy
01/10/2024 – al 30/09/2027	University Saint Camillus International University of Health Sciences Rome	Qualification: <b>Researcher</b> RTDa (art. 24 c.3-a L. 240/10) SSD BIOS/12-A (after Bio/16) human anatomy

#### Part V - Society memberships, Awards and Honors

Year	Title
2009	Board of Advisors for Studenti Senza Frontiere, Rome, Italy <a href="https://www.studentisenzafriere.it/">https://www.studentisenzafriere.it/</a>
2010	Member of International Basal Ganglia Society
2010	Travel grants to attend the 10° THE INTERNATIONAL BASAL GANGLIA SOCIETY (IBAGS) New Jersey (USA)

2011	Member of Society for Neuroscience (SFN)
2011	Travel grant for 5° INTERNATIONAL DYSTONIA SYMPOSIUM BACELONA (SPAIN)
2013	Research and Development Award, XII Premio Internazionale “Giuseppe Sciacca” <a href="https://premiosciacca.it/">https://premiosciacca.it/</a>
2017	Member of Federetion of European Neuroscience Society (FENS)
2017	Member of Italian Society for Neuroscience (SINS)
2017	Travel grant for XVII per la partecipazione al Travel grant for XVII Congresso Nazionale SINS, Lacco Ameno – Ischia
2021	Best articles published by Italian authors in the major scientific journals for the Accademia per lo Studio della Malattia di Parkinson e i Disordini del Movimento (Accademia LIMPE-DISMOV) <a href="https://www.parkinsonlimpedismov.it/articoli-2021">https://www.parkinsonlimpedismov.it/articoli-2021</a>
2023	Travel grant per la partecipazione al 6° international dystonia symposium Dublin(Irlanda). Il candidato ha presentato il suo lavoro sull'alterazione dello striato in modelli sperimentali di distonia DYT1

## Part VI– Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	34	Scopus / Google Scholar (GS)	2008	present
Papers [national]				
Books [scientific]	1	Springer	2009	present
Books [teaching]				

Total Impact factor	160.868
Total Citations scopus	1.203
Total Citations Google Scholar (GS)	1.480
Average Citations per Product scopus	36,454
Average Citations per Product (GS)	44,848
Hirsch (H) index Scopus	19
Hirsch (H) index Google Scholar (GS)	21

\*H index divided by the academic seniority.

## Part VII A– 12 Selected Publications of 34 Papers

n.	Year	Publications
1	2023	<b>Tassone A</b> , Meringolo M, Ponterio G, Bonsi P, Schirinzi T, Martella G. Mitochondrial Bioenergy in Neurodegenerative Disease: Huntington and Parkinson. <b>Int J Mol Sci.</b> 2023 Apr 13;24(8):7221. doi: 10.3390/ijms24087221. PMID: 37108382; PMCID: PMC10138549.
2	2023	El Atiallah I, Bonsi P, <b>Tassone A</b> , Martella G, Biella G, Castagno AN, Pisani A, Ponterio G. Synaptic Dysfunction in Dystonia: Update From Experimental Models. <b>Curr Neuropharmacol.</b> 2023;21(11):2310-2322. doi: 10.2174/1570159X21666230718100156. PMID: 37464831
3	2021	<b>Tassone A</b> , Martella G, Meringolo M, Vanni V, Sciamanna G, Ponterio G, Imbriani P, Bonsi P, Pisani A. Vesicular Acetylcholine Transporter Alters Cholinergic Tone and Synaptic Plasticity in DYT1 Dystonia. <b>Mov Disord.</b> 2021 Dec;36(12):2768-2779. doi: 10.1002/mds.28698. Epub 2021 Jun 26. PMID: 34173686; PMCID: PMC9291835.

4	2020	Sciamanna G, Ponterio G, Vanni V, Laricchiuta D, Martella G, Bonsi P, Meringolo M, <b>Tassone A</b> , Mercuri NB, Pisani A. Optogenetic Activation of Striatopallidal Neurons Reveals Altered HCN Gating in DYT1 Dystonia. <b>Cell Rep.</b> , 2020 May 19;31(7):107644.
5	2019	Bonsi P, Ponterio G, Vanni V, <b>Tassone A</b> , Sciamanna G, Migliarini S, Martella G, Meringolo M, Dehay B, Doudnikoff E, Zachariou V, Goodchild RE, Mercuri NB, D'Amelio M, Pasqualetti M, Bezard E, Pisani A20 (2019). RGS9-2 rescues dopamine D2 receptor levels and signaling in DYT1 dystonia mouse models. <b>Embo Molecular Medicine</b> , ISSN: 1757-4676, doi: 10.15252/emmm.201809283.
6	2019	Imbriani P*, <b>Tassone A*</b> , Meringolo M, Ponterio G, Madeo G, Pisani A, Bonsi P, Martella G. Loss of Non-Apoptotic Role of Caspase-3 in the PINK1 Mouse Model of Parkinson's Disease. <b>Int J Mol Sci.</b> 2019 Jul 11;20(14):3407. doi: 10.3390/ijms20143407. PMID: 31336695; PMCID: PMC6678522.
7	2018	Ponterio G, <b>Tassone A</b> , Sciamanna G, Vanni V, Meringolo M, Santoro M, Mercuri NB, Bonsi P, Pisani A (2018). Enhanced mu opioid receptor-dependent opioidergic modulation of striatal cholinergic transmission in DYT1 dystonia. <b>Mov Disord</b> , ISSN: 1531-8257, doi: 10.1002/mds.27212
8	2018	Maltese M, Stanic J, <b>Tassone A</b> , Sciamanna G, Ponterio G, Vanni V, Martella G, Imbriani P, Bonsi P, Mercuri NB, Gardoni F, Pisani A. (2018). Early structural and functional plasticity alterations in a susceptibility period of DYT1 dystonia mouse striatum. <b>ELIFE</b> , ISSN: 2050-084X, doi: 10.7554/eLife.33331
9	2014	Sciamanna G, Ponterio G, <b>Tassone A</b> , Maltese M, Madeo G, Martella G, Poli S, Schirinzi T, Bonsi P, Pisani A. (2014). Negative allosteric modulation of mGlu5 receptor rescues striatal D2 dopamine receptor dysfunction in rodent models DYT1 dystonia. <b>Neuropharmacology</b> , vol. 85, p. 440-450, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2014.06.013.
10	2014	Maltese M, Martella G, Madeo G, Fagiolo I, <b>Tassone A</b> , Ponterio G, Sciamanna G, Burbaud P, Conn PJ, Bonsi P, Pisani A. Anticholinergic drugs rescue synaptic plasticity in DYT1 dystonia: role of M1 muscarinic receptors. <b>Mov Disord.</b> , 2014 Nov;29(13):1655-65.
11	2014	Martella G, Maltese M, Nisticò R, Schirinzi T, Madeo G, Sciamanna G, Ponterio G, <b>Tassone A</b> , Mandolesi G, Vanni V, Pignatelli M, Bonsi P, Pisani A. Regional specificity of synaptic plasticity deficits in a knock-in mouse model of DYT1 dystonia. <b>Neurobiol Dis.</b> , 2014 May; 65:124-32.
12	2013	Ponterio G, <b>Tassone A</b> , Sciamanna G, Riahi E, Vanni V, Bonsi P, Pisani A. Powerful inhibitory action of mu opioid receptors (MOR) on cholinergic interneuron excitability in the dorsal striatum. <b>Neuropharmacology.</b> 2013 Dec;75:78-85. doi: 10.1016/j.neuropharm.2013.07.006. Epub 2013 Jul 25. PMID: 23891638.

(\* **These authors contributed equally to this work**)

#### Part VII-B - Additional Publications

n.	Year	Publications
13	2022	Ponterio G, Faustini G, El Atiallah I, Sciamanna G, Meringolo M, <b>Tassone A</b> , Imbriani P, Cerri S, Martella G, Bonsi P, Bellucci A, Pisani A. Alpha-Synuclein is Involved in DYT1 Dystonia Striatal Synaptic Dysfunction. <b>Mov Disord.</b> 2022 May;37(5):949-961. doi: 10.1002/mds.29024. Epub 2022 Apr 14. PMID: 35420219; PMCID: PMC9323501.

14	2020	Imbriani P, Ponterio G, <b>Tassone A</b> , Sciamanna G, El Atiallah I, Bonsi P, Pisani A. Models of dystonia: an update. <b>J Neurosci Methods</b> . 2020 Jun 1;339:108728. doi: 10.1016/j.jneumeth.2020.108728. Epub 2020 Apr 11. PMID: 32289333.
15	2020	Yu-Taeger L, Ott T, Bonsi P, Tomczak C, Wassouf Z, Martella G, Sciamanna G, Imbriani P, Ponterio G, <b>Tassone A</b> , Schulze-Hentrich JM, Goodchild R, Riess O, Pisani A, Grundmann-Hauser K, Nguyen HP. Impaired dopamine- and adenosine-mediated signaling and plasticity in a novel rodent model for DYT25 dystonia. <b>Neurobiol Dis</b> . 2020 Feb;134:104634. doi: 10.1016/j.nbd.2019.104634. Epub 2019 Oct 31. PMID: 31678405.
16	2018	Meringolo M, <b>Tassone A</b> , Imbriani P, Ponterio G, Pisani A. Dystonia: Are animal models relevant in therapeutics? <b>Rev Neurol (Paris)</b> . 2018 Nov;174(9):608-614. doi: 10.1016/j.neurol.2018.07.003. Epub 2018 Aug 25. PMID: 30153948.
17	2017	Maltese M, Martella G, Imbriani P, Schuermans J, Billion K, Sciamanna G, Farook F, Ponterio G, <b>Tassone A</b> , Santoro M, Bonsi P, Pisani A, Goodchild RE. Abnormal striatal plasticity in a DYT11/SGCE myoclonus dystonia mouse model is reversed by adenosine A2A receptor inhibition. <b>Neurobiol Dis</b> . 2017 Dec;108:128-139. doi: 10.1016/j.nbd.2017.08.007. Epub 2017 Aug 18. PMID: 28823931.
18	2013	Puglisi F, Vanni V, Ponterio G, <b>Tassone A</b> , Sciamanna G, Bonsi P, Pisani A, Mandolesi G, Torsin A Localization in the Mouse Cerebellar Synaptic Circuitry. <b>PLoS One</b> . 2013 Jun 19;8(6):e68063. doi: 10.1371/journal.pone.0068063. PMID: 23840813; PMCID: PMC3686744.
19	2012	Sciamanna G, Hollis R, Ball C, Martella G, <b>Tassone A</b> , Marshall A, Parsons D, Li X, Yokoi F, Zhang L, Li Y, Pisani A, Standaert DG. Cholinergic dysregulation produced by selective inactivation of the dystonia-associated protein torsinA. <b>Neurobiol Dis</b> . 2012 Sep;47(3):416-27. doi: 10.1016/j.nbd.2012.04.015. Epub 2012 May 3. PMID: 22579992; PMCID: PMC3392411.
20	2012	Sciamanna*, G., <b>Tassone, A*</b> , Mandolesi, G., Puglisi, F., Ponterio, G., Martella, G., Madeo, G., Bernardi, G., Standaert, D.G., Bonsi, P., Pisani, A. Cholinergic dysfunction alters synaptic integration between thalamostriatal and corticostriatal inputs in DYT1 dystonia (2012) <b>Journal of Neuroscience</b> , 32 (35), pp. 11991-12004. DOI: 10.1523/JNEUROSCI.0041-12.2012
21	2011	Sciamanna, G., <b>Tassone, A.</b> , Martella, G., Mandolesi, G., Puglisi, F., Cuomo, D., Madeo, G., Ponterio, G., Standaert, D.G., Bonsi, P., Pisani, A. Developmental profile of the aberrant dopamine D2 receptor response in striatal cholinergic interneurons in DYT1 dystonia (2011) <b>PLoS ONE</b> , 6 (9), art. no. e24261; DOI: 10.1371/journal.pone.0024261
22	2011	<b>Tassone, A.</b> , Madeo, G., Schirinzi, T., Vita, D., Puglisi, F., Ponterio, G., Borsini, F., Pisani, A., Bonsi, P. Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission (2011) <b>Neuropharmacology</b> , 61 (4), pp. 632-637. DOI: 10.1016/j.neuropharm.2011.05.004
23	2011	Martella G, Madeo G, Schirinzi T, <b>Tassone A</b> , Sciamanna G, Spadoni F, Stefani A, Shen J, Pisani A, Bonsi P. Altered profile and D2-dopamine receptor modulation of high voltage-activated calcium current in striatal medium spiny neurons from animal models of Parkinson's disease. <b>Neuroscience</b> . 2011 Mar 17;177:240-51. doi: 10.1016/j.neuroscience.2010.12.057. Epub 2010 Dec 31. PMID: 21195752.
24	2011	Pisani V, Madeo G, <b>Tassone A</b> , Sciamanna G, Maccarrone M, Stanzione P, Pisani A. Homeostatic changes of the endocannabinoid system in Parkinson's disease. <b>Mov Disord</b> . 2011 Feb 1;26(2):216-22. doi: 10.1002/mds.23457. Epub 2010 Dec 13. PMID: 21412829.
25	2011	<b>Tassone A</b> , Sciamanna G, Bonsi P, Martella G, Pisani A. Experimental models of dystonia. <i>Int Rev Neurobiol</i> . 2011;98:551-72. doi: 10.1016/B978-0-12-381328-2.00020-1. PMID: 21907100.
26	2010	Napolitano F, Pasqualetti M, Usiello A, Santini E, Pacini G, Sciamanna G, Errico F, <b>Tassone A</b> , Di Dato V, Martella G, Cuomo D, Fisone G, Bernardi G, Mandolesi G, Mercuri NB, Standaert DG, Pisani A. Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia. <b>Neurobiol Dis</b> . 2010 Jun;38(3):434-45. doi: 10.1016/j.nbd.2010.03.003. Epub 2010 Mar 19. PMID: 20227500; PMCID: PMC3906674.

27	2010	<b>Tassone A</b> , Madeo G, Sciamanna G, Pisani A, Bonsi P. Electrophysiology of 5-HT6 receptors. <b>Int Rev Neurobiol.</b> 2010;94:111-28. doi: 10.1016/B978-0-12-384976-2.00005-8. PMID: 21081204.
28	2009	Martella G*, <b>Tassone A*</b> , Sciamanna G, Platania P, Cuomo D, Viscomi MT, Bonsi P, Cacci E, Biagioni S, Usiello A, Bernardi G, Sharma N, Standaert DG, Pisani A. Impairment of bidirectional synaptic plasticity in the striatum of a mouse model of DYT1 dystonia: role of endogenous acetylcholine. <b>Brain.</b> 2009 Sep;132(Pt 9):2336-49. doi: 10.1093/brain/awp194. Epub 2009 Jul 29. PMID: 19641103; PMCID: PMC2766181.
29	2009	Martella G, Bonsi P, Sciamanna G, Platania P, Madeo G, <b>Tassone A</b> , Cuomo D, Pisani A. Seletacetam (ucb 44212) inhibits high-voltage-activated Ca <sup>2+</sup> currents and intracellular Ca <sup>2+</sup> increase in rat cortical neurons in vitro. <b>Epilepsia.</b> 2009 Apr;50(4):702-10. doi: 10.1111/j.1528-1167.2008.01915.x. Epub 2008 Dec 4. PMID: 19055493.
30	2009	Sciamanna G, Bonsi P, <b>Tassone A</b> , Cuomo D, Tschertter A, Viscomi MT, Martella G, Sharma N, Bernardi G, Standaert DG, Pisani A. Impaired striatal D2 receptor function leads to enhanced GABA transmission in a mouse model of DYT1 dystonia. <b>Neurobiol Dis.</b> 2009 Apr;34(1):133-45. doi: 10.1016/j.nbd.2009.01.001. Epub 2009 Jan 13. PMID: 19187797; PMCID: PMC3786200.
31	2008	Martella G, Platania P, Vita D, Sciamanna G, Cuomo D, <b>Tassone A</b> , Tschertter A, Kitada T, Bonsi P, Shen J, Pisani A. Enhanced sensitivity to group II mGlu receptor activation at corticostriatal synapses in mice lacking the familial parkinsonism-linked genes PINK1 or Parkin. <b>Exp Neurol.</b> 2009 Feb;215(2):388-96. doi: 10.1016/j.expneurol.2008.11.001. Epub 2008 Nov 21. PMID: 19071114; PMCID: PMC2796563.
32	2008	Bonsi P, Platania P, Martella G, Madeo G, Vita D, <b>Tassone A</b> , Bernardi G, Pisani A. Distinct roles of group I mGlu receptors in striatal function. <b>Neuropharmacology.</b> 2008 Sep;55(4):392-5. doi: 10.1016/j.neuropharm.2008.05.020. Epub 2008 Jul 7. PMID: 18602651.
33	2008	Martella G, Spadoni F, Sciamanna G, <b>Tassone A</b> , Bernardi G, Pisani A, Bonsi P. Age-related functional changes of high-voltage-activated calcium channels in different neuronal subtypes of mouse striatum. <b>Neuroscience.</b> 2008 Mar 18;152(2):469-76. doi: 10.1016/j.neuroscience.2007.12.040. Epub 2008 Jan 9. PMID: 18262727.

(\* These authors contributed equally to this work)

#### Part VII-C – BOOK

##### LIBRO

Cuomo D, Platania P, Martella G, Medeo G, Sciamanna G, **Tassone A** and Pisani A, CHOLINERGIC INTERNEURONS AND PARKINSONISM. In CORTICO-SUBCORTICAL DYNAMICS IN PARKINSONS'S. DISEASE Editor Kuei Y.T seng, MD & PhD Humana press &Springer EditorialsHumana Press, 2009 – 449.

#### Part VIII– Organization of scientific events and conferences as a speaker

Data	Evento	Città/organizzatori	Descrizione
24/09/2023	Workshop	University Saint Camillus International University of Health Sciences Rome	<b>organizer</b> Title: Non-drugs therapy in Parkinson's Disease
26/09/2023	Workshop	ROME-.innovative approaches to biosafety for the protection of human health and the environment"	<b>Scientific committee,</b> <b>Speaker</b> Title: "The products created by the BRIC Project"
21/06/2023	Workshop 6,3 ECM	ROME Theoretical-practical operational tools for the use of MOGM in experimentation	<b>Scientific committee,</b> <b>Speaker</b> Title: "The BiotechSafety

		preclinical and clinical. Organized by: INAIL, IRCSS Foundation Santa Lucia, CNR	network”
30-31/03/2023	Workshop 13 ECM 6 CFP	MILAN Title: Advanced biotechnologies and biosafety in preclinical research. Organized by: INAIL, IRCSS Foundation Santa Lucia, CNR	<b>Scientific committee, Speaker</b> Title: “Procedures and conditions of housing and animals in BSL2”
24-25/01/2023	Workshop 13 ECM 6 CFP	ROME Title: Advanced in biotechnologies and biosafety in preclinical research. Organized by: INAIL and IRCSS Foundation Santa Lucia, CNR	<b>Scientific committee, Speaker</b> Title: “Procedures and conditions of housing animals in BSL2”
13/12/22	Workshop ECM 6 CFP ivo	MILAN Title: Biosafety in Biotech laboratories from theory to practice. Organized by: INAIL and IRCSS Foundation Santa Lucia, CNR	<b>Scientific committee, Speaker</b> Title: “Practical examples of procedures in a biological containment laboratory of BLS2”
27/09/2022	Seminary	TUSCANIA EUROPEAN BIOTECH WEEK Title: Biotechnology and correct lifestyles for the protection of the fragility of young people. Organized by INAIL	<b>Speaker</b> Title: "Presentation of the INAIL scientific research project - prevention and protection of environmental health in the case of use of advanced biotechnological techniques"

22/06/2022	Workshop	MILAN Title: Biotechnologies and regulatory obligations. Neuroscience applied to security Organized by: INAIL and IRCSS Foundation Santa Lucia, CNR	<b>Scientific committee, Speaker</b> Title: "Example of containment level 2 laboratory (BSL2) and animal facility procedures”
09/05/2022	Workshop	ROME Title: Biotechnology and regulatory compliance Neuroscience applied to security Organized by: INAIL and IRCSS Foundation Santa Lucia, CNR	<b>Scientific committee</b>
28/09/2021,	Seminary	ROME  EUROPEAN BIOTECH WEEK - INAIL IRCSS Foundation Santa Lucia	<b>Speaker</b> Title: “The operational tools of the Project, the <a href="http://www.biotechsafety.org">www.biotechsafety.org</a> platform, the scheduled courses and/or webinars"



26-29/09/2019	XVIII Congress	PERUGIA Italian Neuroscience Society (SINS)	<b>Speaker</b> Title: “Altered cholinergic machinery in a mouse model of DYT1 dystonia”
26-29/09/2019	XVIII Congress	PERUGIA Società Italiana Neuroscienze (SINS)	<b>Chairman</b> Title: Implication of cholinergic transmission in physiology and pathology
18-19/09/2019	VII Biennial Workshop	ROME Dystonia and Parkinson’s Disease	<b>Member of local organizing committee</b>
11/04/2019	Workshop	ROME Title: Gene therapy strategies in preclinical research: management and use of viral vectors Organized by: IRCSS Foundation Santa Lucia	<b>Scientific committee</b>
13/09/ 2018	panel discussion	ROME Santa Maria della Pietà ASL Roma I Organized by: UCL, TSN, ASL Roma I	<b>Speaker</b> Title: “Courage and hope in the future of Well-Being”
20/02/2013	Seminary	LEUVEN University of Leuven Belgium (Belgio)	<b>Speaker</b> Titolo: “Cholinergic dysfunction in a mouse model of DYT1 dystonia”
18/01/2011	Seminary	BOSTON Department of Neurology and Radiology, Massachusetts General Hospital and Center for NeuroDiscovery, Harvard Medical School, Boston, MA, USA	<b>speaker</b> Titolo: “Inhibition of phosphodiesterases rescues striatal long-term depression and reduces levodopa-induced dyskinesia”
28/03/2007	Congress	ROME Titolo: “the importance of research” Organized by University Sapienza, UCL, ADISU	<b>Scientific committee</b>

#### Part VIII– A Selected Oral posters presentation at national and international conferences

1. M. Montanari, G. Ponterio, M. Meringolo, I. Atallah, G. Sciamanna, G. Martella, E. Hess, P. Bonsi, A. Pisani, **A. Tassone**. Specific role of dopaminergic neurons in DYT1 dystonia striatal dysfunction 6th International Dystonia Symposium 1st – 3rd (June **2023**) Dublin.
2. **A. Tassone**, V. Vanni, M. Meringolo, G. Sciamanna, P. Bonsi, A. Pisani. Alteration of striatal cholinergic markers in DYT1 dystonia mouse model 11th **FENS** Forum of Neuroscience (FENS 7-11 July, **(2018)** Berlin, **Germany**

3. **A. Tassone**, V. Vanni, M. Meringolo, G. Ponterio, G. Sciamanna, P. Bonsi, A. Pisani. Striatal cholinergic markers in DYT1 dystonia. XVII National Congress of Italian Society of Neuroscience **SINS**, Lacco Ameno –, (01-04 October **2017**) Ischia **Italy**
4. **A. Tassone**, G.Sciamanna, G.Ponterio, P.Bonsi, A.Pisani. “Negative allosteric modulation of metabotropic glutamate receptor 5 rescues abnormal D2 dopamine receptor responses in a mouse models of DYT1 dystonia”. **FENS Forum of Neuroscience** (July **2014**) Milan **Italy**
5. **A. Tassone**, G.Sciamanna, G.Ponterio, P.Bonsi, A.Pisani. The novel negative allosteric modulator (NAM) of metabotropic glutamate (mGlu5) receptor, Dipraglurant, rescues electrophysiological alterations in DYT1 dystonia. 15th National Congress of Italian Society of Neuroscience **SINS**, October 3-5 2013 Rome **Italy**
6. **A. Tassone**, I. A. Armata, J. Farley, Y. Han, J. A. Javitch, Y. Li, A. Pisani and X. O. Breakefield. Cell surface trafficking of dopamine 2 receptors is mediated by torsinA and impaired by the DYT1 mutation associated with early onset dystonia. **5th International Dystonia Symposium** 20-22 October 2011 Barcelona **Spain**.
7. **A. Tassone**, G. Mandolesi, A. Usiello, G. Sciamanna, P. Bonsi, G. Martella, F. Puglisi, D. Cuomo, G. Fisone, G. Bernardi, N. B. Mercuri, D. G. Standaert, and A. Pisani; Dysregulation of D2 dopamine receptors in a mouse model of DYT1 dystonia. International Conference Basal Ganglia IBAGS X June 20-24, **2010** Lough branch New Jersey (**USA**)
8. **A. Tassone**, G. Madeo, R. Luisa Potenza, P. Popoli, P. Platania, G. Sciamanna, D. Cuomo, G. Martella, P. Bonsi, A. Pisani; Electrophysiological and pharmacological analysis of striatal neurons from mice expressing torsin A with the DYT1 dystonia mutation. Conference Rare Diseases and Orphan Drugs February 22nd – 25th, **2010** Organised by National Institute of Health Istituto Superiore di Sanità **Italy**.

**Part IX–Participation in research group characterized by collaborations at national or international level**

<b>Anno</b>	<b>Research team</b>	<b>Articoli scientifici realizzati</b>
<b>2008-present</b>	- Prof. David G. Standaerd, dell'Università of Alabama at Birmingham, Birmingham USA	6
	- Dr. A. Usiello, CEINGE Biotecnologie Avanzate, Naples, Italy.	2
	- G. Fisone Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden	1
<b>2008-present</b>	- Prof. N. Sharma, del Massachusetts General Hospital, Harvard Medical School, Boston, USA	2
	- Prof. Fabrizio Gardoni, Department of Pharmacology, University of Milan, Milan, Italy	1
	- Prof. E Bezar, Université de Bordeaux, Institut des Maladies Neurodégénératives, UMR 5293, Bordeaux, France.	1
	- Prof. Pasqualetti M Unit of Cell and Developmental Biology, Department of Biology, University of Pisa, Pisa, Italy.	1
<b>2008/2009</b>	- Prof. Stefano Biagioni, Emanuele Cacci, del Department of Cell and Developmental Biology, Neurobiology Research Unit, University ‘La Sapienza, Rome, Italy	1
<b>2009/2010</b>	- Dott. Franco Borsini, Sigma-Tau Industrie Farmaceutiche Riunite SpA, Pomezia, Italy	1

<b>2011-present</b>	- Prof. Breakefield Professor of Neurology and Neurogenetics Unit Harvard Medical School, Massachusetts General Hospital – Boston (USA)	
<b>2014-present</b>	- Prof. S. Poli, della ADDEX Therapeutics, Geneva, Switzerland;	1
<b>2017-present</b>	- Prof. Rose E. Goodchild, VIB-KU Leuven Center for Brain & Disease Research, Leuven,	2

**Parte X- Responsabilità degli studi e delle ricerche scientifiche da parte di qualificati enti pubblici o privati**

<b>Data dal</b>	<b>Data al</b>	<b>Descrizione</b>
9/09/2023	present	research line 1: Experimental neuroscience and models of neurological diseases title: Energetic and metabolic study of a juvenile mouse model of Parkinson's during development
15/09/2020	present	The candidate is responsible for the activities of the BRIC research project (ID 54) financed by the National Institute for Insurance Against Accidents at Work (INAIL). Demonstrated by numerous oral communications at conferences. Project title: Innovative approaches to biosafety for protection of human health and the environment. <a href="https://www.biotechsafety.org/il-progetto/">https://www.biotechsafety.org/il-progetto/</a>
01/06/2018	30/06/2022	The candidate was responsible of the scientific research project entitled “Dysregulation of serine metabolism in physical and cognitive frailty: characterization of a novel pathobiological mechanism potentially amenable to treatment. Funded by the CARIPO Foundation for UO3 (Publication in preparation)
26/06/2017	26/06/2019	Collaborator in the research project entitled: Investigation of Striato-Pallidal Connections in a Mouse Model of DYT1 Dystonia. PI Giuseppe Sciamanna, PhD, University of Rome Tor Vergata (Italy) Using electrophysiological, optogenetic and biochemical approaches. <a href="https://www.dystonia-foundation.org/site/news/32446">https://www.dystonia-foundation.org/site/news/32446</a>  Sciamanna G, Ponterio G, Vanni V, Laricchiuta D, Martella G, Bonsi P, Meringolo M, TASSONE A, Mercuri NB, Pisani A. Optogenetic Activation of Striatopallidal Neurons Reveals Altered HCN Gating in DYT1 Dystonia. Cell Rep. 2020 May 19;31(7):107644. doi: 10.1016/j.celrep.2020.107644.
01/01/2014	01/01/2016	The candidate was responsible for the animal testing and the biochemical and electrophysiology experiments foreseen by the project, entitled "Assessing the role of dopaminergic signal transduction pathway in primary dystonia." <a href="http://foundationdystoniaresearch.org/fdr-funding/collaborative-research-grants-2013-2015">http://foundationdystoniaresearch.org/fdr-funding/collaborative-research-grants-2013-2015</a> Research project collaborator: 2013-2015 Foundation for Dystonia Research (FDR) coordinated by Prof. Antonio Pisani.
01/02/2010	01/08/2011	scientific research at Harvard Medical School, Massachusetts General Hospital (Boston, USA) Titolo della ricerca– The role of torsinA on cell surface trafficking of dopamine 2 receptors (18 months).

01/01/2010	01/01/2011	<p>The Candidate was responsible for the scientific research studies by the pharmaceutical company Sigma-Tau Industrie Farmaceutiche Riunite SpA, Pomezia, Italy. Coordinated by Prof. Antonio Pisani.</p> <p>TASSONE A, et al., Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission. <i>Neuropharmacology</i>. 2011 Sep;61(4):632-7.</p>
01/01/2009	01/01/2012	<p>The candidate was responsible for the scientific research foreseen by the project, entitled "Epidemiological, biochemical and experimental analysis on the role of heavy metals and pesticides in the genesis of Parkinsonian syndrome". 2009 – 2012 funded by the National Institute for Insurance against Accidents at Work (INAIL) coordinated by Prof. Antonio Pisani.</p> <p>1) Imbriani P*, TASSONE A*, Meringolo M, Ponterio G, Madeo G, Pisani A, Bonsi P, Martella G. Loss of Non-Apoptotic Role of Caspase-3 in the PINK1 Mouse Model of Parkinson's Disease. <i>Int J Mol Sci</i>. 2019 Jul 11;20(14):3407. doi: 10.3390/ijms20143407. (*These authors contributed equally to this work)</p> <p>2) Pisani V, Madeo G, TASSONE A, Sciamanna G, Maccarrone M, Stanzione P, Pisani A. Homeostatic changes of the endocannabinoid system in Parkinson's disease. <i>Mov Disord</i>. 2011 Feb 1;26(2):216-22. doi: 10.1002/mds.23457.</p> <p>3) Schirinzi T, Martella G, D'Elia A, Di Lazzaro G, Imbriani P, Madeo G, Monaco L, Maltese M, Pisani A. Outlining a Population "at Risk" of Parkinson's Disease: Evidence from a Case-Control Study. <i>Parkinsons Dis</i>. 2016;2016:9646057. doi:10.1155/2016/9646057. Epub 2016 Aug 29. PMID: 27651975; PMCID: PMC5019913.</p>

#### Part XI-Editorial work, referee activities in international journals

Journal of Functional Foods	5.223	reviewer	Web of Science review verification	2018	Present
Oncogene	8.756	reviewer	Web of Science review verification	2019	Present
Cells	7.666	reviewer	Web of Science review verification	2020	Present
International Journal of Molecular Sciences	6.208	reviewer	Web of Science review verification	2019	Present
International Journal of Molecular Sciences	6.208	guest editor	Special Issue: : Role and Dynamics of Extracellular Vesicles in Central Nervous System Diseases	2020	Present
International Journal of Molecular Sciences	6.208	guest editor	Special Issue: Recent Advances on Synapses	2022	Present
Neurobiology of disease	7.046	reviewer	Web of Science review verification	2021	Present
Biomolecules	6.064	reviewer	Web of Science review verification	2021	Present
Frontiers in neuroscience	5.152	reviewer	Web of Science review verification	2022	Present
Neuroscience and biobehavioral reviews	9.052	reviewer	Web of Science review verification	2023	Present

Frontiers in Neurodegeneration	3,2	Associate Editor	<a href="https://www.frontiersin.org/journals/neuroscience/sections/neurodegeneration/editors">https://www.frontiersin.org/journals/neuroscience/sections/neurodegeneration/editors</a>	2024	present
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**Part XII- High training courses**

2010	2011	<b>Course</b> certificate MGH, Biomarkers in Diseases of the Central Nervous System Harvard Medical School Massachusetts General Hospital Boston (USA).
2010	2010	<b>Course</b> on the Basics of Radiation Protection for Research, at Harvard Medical School Massachusetts General Hospital Boston (USA). The candidate attended the radiation protection course learning the principles of radiation protection applicable in research work situations.
2010	2011	<b>Course</b> The Harvard Medical School Department of Continuing Medical Education certifies: activity titled IN HOSPITAL CONFERENCES at Massachusetts General Hospital. This activity was designated for 1 <b>AMA PRA Category 1 Credits</b> .
2017	2017	<b>Certificate</b> FELASAA credited Course F 023/09 " Rome-20, 21, 22 – 27, 28, 29 November 2017. FELASA, Certificate FELASAA credited Course F 023/09 " Scienza degli Animali da Laboratorio" 20, 21, 22 – 27, 28, 29 November 2017. FELASA, the Federation of European Laboratory Animal Science Associations, represents common interests in the furtherance of all aspects of laboratory animal science (LAS) in Europe and beyond. FELASA puts the 3Rs of Laboratory Animal Science 'Replacement, Reduction and Refinement' centre stage. FELASA advocates responsible scientific conduct with animals in the life sciences with particular emphasis on ensuring animal welfare

*Il/la sottoscritt ANNALISA TASSONE, consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente curriculum vitae, corrispondono a verità, ed esprime il proprio consenso affinché i dati personali forniti possono essere trattati nel rispetto del decreto legislativo 30 giugno 2003 n.196, e successive modifiche, per gli adempimenti connessi alla presente procedura.*

Roma 30/09/2024

In fede