CURRICULUM VITAE
Annalisa Tassone

INFORMAZIONI GENERALI

Nome e Cognome	Annalisa Tassone
Cittadinanza	Italiana
E-mail	annalisa.tassone@unicamillus.org; a.tassone@hsantalucia.it
Attuale Posizione	Professore associato di fisiologia presso UniCamillus International University of Health Sciences Roma

ISTRUZIONE

Tipo	Anno	Istituzione	Note	Data
Laurea in Scienze Biologiche	2005	Università degli Studi di Roma "La Sapienza"	Facoltà di Scienze Biologiche, 110/110 e lode	24/05/2006
Formazione pre-dottorato	2006	IRCCS-Fondazione Santa Lucia, Roma	Neuroscienze	01/11/2006-01/10/2007
Abilitazione professionale di Biologo	2007	Università degli Studi di Roma Tor Vergata	Biologo	18/11/2007
Dottorato di Ricerca	2011	Università degli Studi di Roma Tor Vergata	Neuroscienze	22/12/2011
Master, integrazione degli studenti con bisogni educativi speciali	2020	Academy of Fine Arts	Master di I livello-60 CFU 1500 ore	2020
Master in Medicina legale e danno alla persona	2021	Università degli Studi Niccolo' Cusano	Master di I livello-60 CFU 1500 ore, 110/110 e lode	22/11/2021
Licenza uso degli animali da laboratorio	2017	IRCCS Fondazione Santa Lucia	FELASAA Course F023/09	2017
Abilitazione Scientifica Nazionale (ASN)	2023	Ministero Università e Ricerca	ASN, Abilitazione scientifica come professore di seconda fascia nel sistema universitario italiano (DM n. 553/2021 e 589/2021) per il settore disciplinare 05/D1 -Fisiologia.	2023

ESPERIENZA PROFESSIONALE E ACCADEMICA

Inizio	Fine	Istituzione	Posizione
02/02/2004	25/05/2006	Dipartimento di Biologia e Biotecnologia "Charles Darwin" Università degli Studi di Roma "La Sapienza"	Tirocinio
01/11/2006	01/10/2007	IRCCS Fondazione Santa Lucia, Roma	Tirocinio
14/02/2010	01/08/2011	University Harvard Medical School, Massachusetts General Hospital – Boston (USA). Lab. of Prof. O.Breakefield Professor of Neurology and Neurogenetics Unit (18 mesi)	**Research Assistant**
2011	2014	IRCCS Fondazione Santa Lucia, Roma	Ricercatrice
04/01/2013	22/02/2013	Katholieke University Leuven (BE) Lab of prof. Rose Goodchild, VIB Center	Fellowship
04/11/2014	30/10/2016	IRCCS Fondazione Santa Lucia, Rome	Ricercatrice
01/01/2017	10/06/2017	Università degli Studi di Roma "Tor Vergata" Dipartimento di Medicina dei Sistemi	Fellowship
05/06/2017	30/06/2017	IRCCS Fondazione Santa Lucia, Rome	Ricercatrice
23/03/0217	23/11/2017	Università degli Studi di ROMA "Tor Vergata" Dipartimento di Medicina dei Sistemi	Fellowship
10/01/2018	31/12/2018	IRCCS Fondazione Santa Lucia, Roma	Fellowship
2019	0ggi	IRCCS Fondazione Santa Lucia, Roma	Ricercatrice

INCARICHI DI INSEGNAMENTO

Inizio	Fine	Istituzione	Lezioni/Corso
2017	a oggi	Università degli Studi Niccolo' Cusano	Professore a contratto per il Master "Elementi di Biologia" - 3CFU
01/10/2021	31/12/2022	University Saint Camillus International University of Health Sciences Roma	Professore a contratto per Corso di Laurea in Odontoiatria e Protesi Dentaria - 2CFU 05/BIOS-12, SSD BIOS/12-A (già Bio/16)- Anatomia Umana
01/10/2022	30/09/2023	University Saint Camillus International University of Health Sciences Roma	Professore a contratto per Corso di Laurea in Fisioterapia- 3CFU- coordinatore corso integrato (art. 23 L. 240/10). 05/BIOS-12, SSD BIOS/12-A (già Bio/16)- Anatomia Umana
01/10/2022-	01/10/2024	University Saint Camillus International University of Health Sciences Roma	Membro della commissione didattica in fisioterapia; - contribuire alla definizione degli obiettivi strategici didattici dell'Ateneo, monitora il raggiungimento e proporre eventuali revisioni - monitora l'evoluzione della formazione e promuove l'innovazione, in coerenza con la strategia dell'Ateneo, prestando attenzione alla qualità della didattica, agli orientamenti.
01/10/2023	30/09/2024	University Saint Camillus International University of Health Sciences Roma	Professore a contratto per Corso di Laurea in Fisioterapia- coordinatore corso integrato 3CFU- (art. 23 L. 240/10). 05/BIOS-12, SSD BIOS/12-A (già Bio/16)- Anatomia Umana

01/10/2024	18/11/2024	University Saint Camillus International University of Health Sciences Roma	Ricercatore RTDa (art. 24 c.3-a L. 240/10) SSD BIOS/12-A (già Bio/16) Anatomia Umana
01/10/2024	presente	University Saint Camillus International University of Health Sciences Roma	Membro della commissione didattica in Medicina (campus Venezia); - contribuire alla definizione degli obiettivi strategici didattici dell'Ateneo, monitora il raggiungimento e proporre eventuali revisioni - monitora l'evoluzione della formazione e promuove l'innovazione, in coerenza con la strategia dell'Ateneo, prestando attenzione alla qualità della didattica, agli orientamenti.
18/11/2024	presente	University Saint Camillus International University of Health Sciences Roma	**Professore associato** (L. 240/10) Dipartimento: Facoltà dipartimentale di Medicina, Settore scientifico disciplinare 2024: BIOS-06/A Fisiologia Gruppo scientifico disciplinare: 05/BIOS-06 FISIOLOGIA

RICONOSCIMENTI, PREMI e ADESIONI A SOCIETA' SCIENTIFICHE

Inizio	Fine	Titolo/Descrizione
2009	2012	Componente del comitato scientifico per ONLUS STUDENTI SENZA. Roma, Italia https://www.studentisenzafrontiere.it/
2010	a oggi	Membro of International Basal Ganglia Society
2010	a oggi	Travel grants to attend the 10° THE INTERNATIONAL BASAL GANGLIA SOCIETY (IBAGS) New Jersey (USA)
2011	a oggi	Member of Society for Neuroscience (SFN)
2011	a oggi	Travel grant for 5° INTERNATIONAL DYSTONIA SYMPOSIUM BACELONA (SPAIN). Il candidato ha presentato il suo lavoro sull'attività di trasporto alterato del recettore D2 in un modello cellulare distonia DYT1
2013	a oggi	Premio Ricerca e Sviluppo, XII Premio Internazionale "Giuseppe Sciacca". la Giuria conferisce particolari riconoscimenti a persone che si sono distinte nei vari campi del sapere e dell'arte e della ricerca. https://premiosciacca.it/
2017	a oggi	Member of Federetion of European Neuroscience Society (FENS)
2017	a oggi	Member of Italian Society for Neuroscience (SINS)
2017	a oggi	Travel grant for XVII per la partecipazione al Travel grant for XVII Congresso Nazionale SINS, Lacco Ameno – Ischia
2021	a oggi	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) https://www.parkinsonlimpedismov.it/articoli-2021
2023	A oggi	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

ATTIVITA' SCIENTIFICA

Parole chiavi	Breve descrizione
Disordini del movimento	Lo striato è parte integrante dell'anatomia dei gangli della base. L' ampio lavoro di mappatura dei suoi percorsi suggerisce che agisca come una struttura integrativa

Gancli della Base striatum Parkinson Distonia Neurobiologia dello sviluppo	per l'elaborazione delle informazioni nel cervello. La disfunzione dello striato è ancora considerata la fonte dei sintomi cardini di diversi disturbi del movimento. La conoscenza dell'anatomia e della funzione striatale attraverso l'analisi elettrofisiologiche, biochimiche e molecolari con diversi modelli animali permette di comprendere il coinvolgimento dei diversi tipi di neuroni. Gli studi suggeriscono che l'attività delle sottopopolazioni di neuroni striatali possono regolare in modo differenziato i diversi aspetti del controllo motorio sia nella malattia di Parkinson che nella distonia.

SINTESI DEI RISULTATI SCIENTIFICI

Tipo di prodotto	Numero	Data Base	Inizio	Fine
Articoli [internazionali]	34	Web of Science (WoS)/Google Scholar (GS)	2008	a oggi
Articoli [nazionali]				
Libri	1	Springer	2009	a oggi

Hirsch (H) index Scopus	20
Hirsch (H) index Google Scholar (GS)	22

PUBBLICAZIONI

(12 selezionati da 34 articoli totali)

n.	Year	Publications
1	2023	**Tassone A**, Meringolo M, Ponterio G, Bonsi P, Schirinzi T, Martella G. Mitochondrial Bioenergy in Neurodegenerative Disease: Huntington and Parkinson. **Int J Mol Sci**. 2023 Apr 13;24(8):7221. doi: 10.3390/ijms24087221. PMID: 37108382; PMCID: PMC10138549.
2	2023	El Atiallah I, Bonsi P, **Tassone A**, Martella G, Biella G, Castagno AN, Pisani A, Ponterio G. Synaptic Dysfunction in Dystonia: Update From Experimental Models. **Curr Neuropharmacol**. 2023;21(11):2310-2322. doi: 10.2174/1570159X21666230718100156. PMID: 37464831
3	2021	**Tassone A,** 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. **Mov Disord**. 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, **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.
5	2019	Bonsi P, Ponterio G, Vanni V, **Tassone A**, 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. **Embo Molecular Medicine,** ISSN: 1757-4676, doi: 10.15252/emmm.201809283.

6	2019	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. **Int J Mol Sci**. 2019 Jul 11;20(14):3407. doi: 10.3390/ijms20143407. PMID: 31336695; PMCID: PMC6678522.
7	2018	Ponterio G, **Tassone A,** 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. **Mov Disord**, ISSN: 1531-8257, doi: 10.1002/mds.27212
8	2018	Maltese M, Stanic J, **Tassone A**, 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. **ELIFE**, ISSN: 2050-084X, doi: 10.7554/eLife.33331
9	2014	Sciamanna G, Ponterio G, **Tassone A**, 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 modelsDYT1 dystonia. **Neuropharmacology**, 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, **Tassone A**, 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. **Mov Disord.,** 2014 Nov;29(13):1655-65.
11	2014	Martella G, Maltese M, Nisticò R, Schirinzi T, Madeo G, Sciamanna G, Ponterio G, **Tassone A**, 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. **Neurobiol Dis**., 2014 May; 65:124-32.
12	2013	Ponterio G, **Tassone A**, 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. **Neuropharmacology**. 2013 Dec;75:78-85. doi: 10.1016/j.neuropharm.2013.07.006. Epub 2013 Jul 25. PMID: 23891638.

(* autori che hanno contribuito equamente in questo lavoro))

PUBBLICAZIONI AGGIUNTIVE

n.	Year	Publications
13	2022	Ponterio G, Faustini G, El Atiallah I, Sciamanna G, Meringolo M, **Tassone A**, Imbriani P, Cerri S, Martella G, Bonsi P, Bellucci A, Pisani A. Alpha-Synuclein is Involved in DYT1 Dystonia Striatal Synaptic Dysfunction. **Mov Disord**. 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, **Tassone A**, Sciamanna G, El Atiallah I, Bonsi P, Pisani A. Models of dystonia: an update. **J Neurosci Methods**. 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, **Tassone A**, 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. **Neurobiol Dis**. 2020 Feb;134:104634. doi: 10.1016/j.nbd.2019.104634. Epub 2019 Oct 31. PMID: 31678405.

16	2018	Meringolo M, **Tassone A**, Imbriani P, Ponterio G, Pisani A. Dystonia: Are animal models relevant in therapeutics? **Rev Neurol (Paris).** 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, **Tassone A,** 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. **Neurobiol Dis**. 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, **Tassone A**, Sciamanna G, Bonsi P, Pisani A, Mandolesi G. Torsin A Localization in the Mouse Cerebellar Synaptic Circuitry. **PLoS One**. 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, **Tassone A**, 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. **Neurobiol Dis**. 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., **Tassone, A***., 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) **Journal of Neuroscience**, 32 (35), pp. 11991-12004. DOI: 10.1523/JNEUROSCI.0041- 12.2012
21	2011	Sciamanna, G., **Tassone, A**., 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) **PLoS ONE,** 6 (9), art. no. e24261; DOI: 10.1371/journal.pone.0024261
22	2011	**Tassone, A.,** 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) **Neuropharmacology,** 61 (4), pp. 632-637. DOI: 10.1016/j.neuropharm.2011.05.004
23	2011	Martella G, Madeo G, Schirinzi T, **Tassone A,** 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. **Neuroscience.** 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, **Tassone A**, Sciamanna G, Maccarrone M, Stanzione P, Pisani A. Homeostatic changes of the endocannabinoid system in Parkinson's disease. **Mov Disord**. 2011 Feb 1;26(2):216-22. doi: 10.1002/mds.23457. Epub 2010 Dec 13. PMID: 21412829.
25	2011	**Tassone A,** Sciamanna G, Bonsi P, Martella G, Pisani A. Experimental models of dystonia. Int Rev Neurobiol. 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, **Tassone A,** 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. **Neurobiol Dis.** 2010 Jun;38(3):434-45. doi: 10.1016/j.nbd.2010.03.003. Epub 2010 Mar 19. PMID: 20227500; PMCID: PMC3906674.
27	2010	**Tassone A,** Madeo G, Sciamanna G, Pisani A, Bonsi P. Electrophysiology of 5-HT6 receptors. **Int Rev Neurobiol.** 2010;94:111-28. doi: 10.1016/B978-0-12-384976-2.00005-8. PMID: 21081204.
28	2009	Martella G*, **Tassone A***, 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. **Brain**. 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, **Tassone A,** Cuomo D, Pisani A. Seletracetam (ucb 44212) inhibits high-voltage-activated Ca2+ currents and intracellular Ca2+ increase in rat cortical neurons in vitro. **Epilepsia**. 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, **Tassone A**, Cuomo D, Tscherter 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. **Neurobiol Dis**. 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, **Tassone A**, Tscherter 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. **Exp Neurol.** 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, **Tassone A**, Bernardi G, Pisani A. Distinct roles of group I mGlu receptors in striatal function. **Neuropharmacology**. 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, **Tassone A**, Bernardi G, Pisani A, Bonsi P. Age-related functional changes of high-voltage-activated calcium channels in different neuronal subtypes of mouse striatum. **Neuroscience**. 2008 Mar 18;152(2):469-76. doi: 10.1016/j.neuroscience.2007.12.040. Epub 2008 Jan 9. PMID: 18262727.

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 &Sprinter Editorials Humana Press, 2009 – 449.

Lista di tutte le pubblicazioni
https://www.scopus.com/authid/detail.uri?authorId=24438431700

ORGANIZZAZIONE DI EVENTI SCIENTIFICI E CONFERENZE COME RELATORE

Data	**Evento**	**Città/organizzatori**	**Descrizione**
24/09/2023	Workshop	University Saint Camillus International University of Health Sciences Rome	**Organizer** 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"	**Scientific committee, Speaker** 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 preclinical and clinical. Organized by: INAIL, IRCSS Foundation Santa Lucia, CNR	**Scientific committee, Speaker** Title: "The BiotechSafety 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	**Scientific committee, Speaker** 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	**Scientific committee, Speaker** 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	**Scientific committee, Speaker** 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	**Speaker** 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	**Scientific committee, Speaker** 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	**Scientific committee**
28/09/2021,	Seminary	ROME EUROPEAN BIOTECH WEEK - INAIL IRCSS Foundation Santa Lucia	**Speaker** Title: "The operational tools of the Project, the www.biotechsafety.org platform, the scheduled courses and/or webinars"

26-29/09/2019	XVIII Congress	PERUGIA Italian Neuroscience Society (SINS)	**Speaker** Title: "Altered cholinergic machinery in a mouse model of DYT1dystonia"
26-29/09/2019	XVIII Congress	PERUGIA Società Italiana Neuroscienze (SINS)	**Chairman** Title: Implication of cholinergic transmission in physiology and pathology
18-19/09/2019	VII Biennial Workshop	ROME Dystonia and Parkinson's Disease	**Member of local organizing committee**
11/04/2019	Workshop	ROME Title: Gene therapy strategies in preclinical research: management and use of viral vectors Organized by: IRCSS Foundation Santa Lucia	**Scientific committee**
13/09/ 2018	panel discussion	ROME Santa Maria della Pietà ASL Roma1 Organized by: UCL, TSN, ASL Roma 1	**Speaker** Title: "Courage and hope in the future of Well-Being"
20/02/2013	Seminary	LEUVEN University of Leuven Belgium (Belgio)	**Speaker** Titolo: "Cholinergic dysfunction in a mouse model of DYT1dystonia"

18/01/2011	Seminary	BOSTON Department of Neurology and Radiology, Massachusetts General Hospital and Center for NeuroDiscovery, Harvard Medical School, Boston, MA, USA	**speaker** 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	**Scientific committee**

PRESENTAZIONE DI POSTER ORALI A CONVEGNI NAZIONALI ED INTERNAZIONALI

1. M. Montanari, G. Ponterio, M.Meringolo, I. Atiallah, 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. 64 th Annual Meeting of the Massachusetts General Ospital Scientific Advisory Committee April 13-14, **2011** Boston **(USA**)
8. **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** Longh branch New Jersey (**USA**)

9. **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 DYT1dystonia mutation. Conference Rare Diseases and Orphan Drugs February 22nd – 25th, **2010** Organised by National Institute of Health Istituto Superiore di Sanità **Italy**.

ATTIVITA' DI RICERCA IN COLLABORAZIONE

Anno	Research team	Articoli scientifici realizzati
2008/a oggi	- 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
2008/a oggi	- 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 Bezard, 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
2008/2009	- Prof. Stefano Biagioni, del Department of Cell and Developmental Biology, Neurobiology Research Unit, University 'La Sapienza, Rome, Italy	1
2009/2010	- Dott. Franco Borsini, Sigma-Tau Industrie Farmaceutiche Riunite SpA, Pomezia, Italy	1
2014/ a oggi	- Prof. S. Poli, della ADDEX Therapeutics, Geneva, Switzerland;	1
2017/ a oggi	- Prof. Rose E. Goodchild, VIB-KU Leuven Center for Brain & Disease Research, Leuven,	2

Responsabilità degli studi e delle ricerche scientifiche da parte di qualificati enti pubblici o private

Data dal	Data al	Descrizione
9/09/2023	present	The candidate is responsible of research line 1: progetto RF-2021-12374979 titolo: *Clinical efficacy of pharmacological treatments targeting energy metabolism on motor function in Parkinson¿s Disease patients*" - Destinatario istituzionale - Fondazione Santa Lucia – Ordinari della ricerca finalizzata (RF)

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. https://www.biotechsafety.org/il-progetto/
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 CARIPLO 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. https://www.dystonia-foundation.org/site/news/32446 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."http://foundationdystoniaresearch.org/fd r-funding/collaborative-research-grants- 2013-2015 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	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. TASSONE A, et al., Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission. Neuropharmacology. 2011 Sep;61(4):632-7.
01/01/2009	01/01/2012	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 Parkisonianas syndrome". 2009 – 2012 funded by the National Institute for Insurance against Accidents at Work (INAIL) coordinated by Prof. Antonio Pisani. 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. Int J Mol Sci. 2019 Jul 11;20(14):3407. doi: 10.3390/ijms20143407. (*These authors contributed equally to this work) 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. Mov Disord. 2011 Feb 1;26(2):216-22. doi: 10.1002/mds.23457. 3) Schirinzi T, Martella G, D'EliaA, 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. Parkinsons Dis. 2016;2016:9646057. doi:10.1155/2016/9646057. Epub 2016 Aug 29. PMID: 27651975; PMCID: PMC5019913.

LAVORO EDITORIALE, ATTIVITA' DI REFEREE IN RIVISTE INTERNAZIONALI

Rivista	IF	Descrizione	Reference	Anno	
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	https://www.frontiersin.org/journals/neuroscience/sections/neurodegeneration/editors	2024	present

CORSI DI ALTA FORMAZIONE

2010	2011	**Course** certificate MGH, Biomarkers in Diseases of the Central Nervous System Harvard Medical School Massachusetts General Hospital Boston (USA).
2010	2010	**Course** 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	**Course** 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 **AMA PRA Category 1 Credits.**
20-11-2017		**Certificate** FELASAA credited Course F 023/09 " Scienza degli Animali da Laboratorio" 20, 21, 22 – 27, 28, 29 November 2017. FELASA,