

Tiziana Pascucci

Curriculum Vitae

Place: Rome

Date: 9 September 2020

Part I – General Information

Full Name	Tiziana Pascucci
Date of Birth	13/09/1971
Place of Birth	Rome
Citizenship	Italian
Permanent Address	Via dei Campani 72 - Rome
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Spoken Languages	Italian, english
State	3 sons

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1997	Sapienza Università di Roma	Degree in general and experimental psychology, grade 110/110 with honors (Supervisors: Prof. Stefano Puglisi-Allegra and Prof. Paolo Nencini)
University graduation activity	1998	Sapienza Università di Roma	She attended the Institute of Pharmacology, first as a graduate student then as a trainee, under the supervision of Prof. Paolo Nencini
PhD	2001	Sapienza Università di Roma	PhD in Psychobiology and Psychopharmacology, XIII cycle (Tutor: Prof. Stefano Puglisi-Allegra)

Part III – Academic Appointments

Start	End	Institution	Position
2007	-	Sapienza Università di Roma	Researcher, Department of Psychology
2009	-	Sapienza Università di Roma	Confirmed Researcher, Department of Psychology
2009	-	Sapienza Università di Roma	Member of the teaching staff of the

			PhD in "Neuroscience of Behavior"
2011	2012	Sapienza Università di Roma	Contact person appointed by the Department for VQR 2004-2010 works
2011	2014	Sapienza Università di Roma	Member of the Laboratory Commission of the Department of Psychology
2011	2014	Sapienza Università di Roma	Elected representative of the Researchers at the Department Board
2014	2014	Sapienza Università di Roma	Elected representative of the Researchers at the Faculty Council
2014	-	Sapienza Università di Roma	Vice Rector for the Right to Study and the Quality of Teaching
2014	-	Sapienza Università di Roma	Member of the Crui Didactic Commission
2014	-	AlmaLaurea	Sapienza permanent delegate at the meetings of the AlmaLaurea Members' Assembly
2015	.	Sapienza Università di Roma	Member of the MOOC Commission (Massive Open Online Courses) of the University. D.R. n. 1646/2015
2015	-	Sapienza Università di Roma	Member of the "Teacher Training" Working Group. D.R. n. 2284/2015
2015	-	Sapienza Università di Roma	Member of the University Didactic Commission. D.R. n. 3221-2015
2015	-	Sapienza Università di Roma	Sapienza contact point for the EUA-CDE (European University Association - Council for Doctoral Education). Prot. N. 0085198
2015	-	Sapienza Università di Roma	Coordinator of the Working Group "Simplification, recognition and transparency of the training course". D.R. n. 3881/2015
2016	-	Sapienza Università di Roma	Coordinator of the Working Group for e-learning. D.R. n. 217/2016
2016	-	Sapienza Università di Roma	Member of the Steering Committee for Orientation, Tutoring and Placement. Prot. N. 0015720.
2016	-	Sapienza Università di Roma	Coordinator of the Working Group for innovation and internationalization of the "Sapienza - CDE" PhD. D.R. n. 2744/2016
2016	-	Sapienza Università di Roma	Member of the Sapienza Joint Commission-Regional School Office for Lazio. D.R. n. 282/2016
2016	-	AlmaLaurea	Member of the scientific-strategic committee of the AlmaLaurea Consortium
2017	-	Sapienza Università di Roma	Associate Professor, Department of

			Psychology
2017	-	Sapienza Università di Roma	Coordinator of the GdL-QuID. DR 2334/2017
2018	2019	Sapienza Università di Roma	Director of the Master in Teacher Training
2019	-	Comitato Regionale di coordinamento delle università Lazio – CRUL	Coordinator of the CRUL Didactic Commission. Prot. N.46

Part IV – Teaching experience

Year	Institution	Lecture/Course
2007-2009	Sapienza Università di Roma	Basi fisiologiche del comportamento; 4 cfu, L-24 - Scienze e tecniche psicologiche dello sviluppo e dell'educazione
2009-2011	Sapienza Università di Roma	Psicobiologia del comportamento normale e patologico; 8 cfu; LM-51 - Psicologia della salute, clinica e di comunità
2011-2013	Sapienza Università di Roma	Psicobiologia dello sviluppo tipico e atipico; 8 cfu; L-24 - Scienze psicologiche
2013-2020	Sapienza Università di Roma	Psicobiologia dei disturbi del comportamento; 8 cfu; LM-51 - Neuroscienze cognitive e riabilitazione psicologica
2015-2017	Sapienza Università di Roma	Psychobiology of atypical development; 6 cfu, L-M 51 - Neuroscienze cognitive e riabilitazione psicologica
2015-2019	Sapienza Università di Roma	Neuroscienze 1; 3 cfu, Scuola di Specializzazione Psicologia nel Corso di Vita.
2018-2019	Sapienza Università di Roma	Scienze Umane; 2 cfu; L/SNT3 - Tecniche di laboratorio biomedico - sede di LATINA
2018-	Sapienza Università di Roma	Scienze socio-psicopedagogiche; 2 cfu; L/SNT3 - Terapia della neuro e psicomotricità dell'età evolutiva;
2018-	Sapienza Università di Roma – Unitelma Sapienza	Psicobiologia e psicologia fisiologica: teorie e metodi; 9 cfu, L-24 - Scienze e tecniche psicologiche
2019-	Sapienza Università di Roma	Psicologia Animale e Comparata; 4 cfu; LM-6 - Neurobiologia

Part V - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2007	Title: Deficit dell'attività corticale dell'enzima triptofanoidrossilasi nella fenilchetonuria. Role: P.I.	Sapienza (Research Project)	€ 471
2008	Title: Valutazione dell'efficacia di un trattamento serotoninergico post-natale in un modello murino genetico di ritardo mentale. Role:	Sapienza (Research Project)	€ 1.818

	P.I.		
2008-2010	Title: Modelli sperimentali preclinici per lo studio della plasticità comportamentale e neurale normale e patologica nell'adulto. Role: P.I. di Unità 2	PRIN (Unità 2)	€ 41.474
2009	Title: Valutazione preclinica dell'efficacia di un trattamento serotoninergico in differenti forme di iperfenilalaninemia. Role: P.I.	Sapienza (Research Project)	€ 1.491
2009-2011	Title: Manipulation of serotonin transmission on behavioural and neurochemical deficits promoted by phenylketonuria. Role: P.I.	Telethon	€ 66.100
2010	Title: Caratterizzazione comportamentale, biochimica e molecolare di nuovi modelli animali di iperfenilalaninemia: come la fenilalanina produce ritardo mentale. Role: P.I.	Sapienza (Interdepartmental Research Award under 40)	€ 30.000
2010	Title: Why do high phenylalanine levels cause mental retardation? The key role of serotonin studied in hyperphenylalaninemic mice. Role: P.I.	Sapienza (Research Project)	€ 9.000
2010-2013	Title: Effetti a lungo termine dell'interazione genotipo x ambiente precoce sulla codifica di stimoli rinforzanti e avversi. Role: P.I. di Unità 2	FIRB (Unità 2)	€ 229.800
2011	Title: Il ruolo della serotonina durante il neurosviluppo: valutazione dei meccanismi molecolari sottostanti il recupero della plasticità corticale in un modello murino di ritardo mentale. Role: P.I.	Sapienza (Research Project)	€ 1.500
2014	Title: Art, an open Window into the Adolescent bRain? (AWARD). Role: I.	Sapienza (Multidisciplinary project)	€ 20.000
2015	Title: Phenylalanine ammonia-lyase (PAL) on neurobehavioral markers of hyperphenylalaninemia: a preclinical investigation for new therapy. Role: P. I.	Sapienza (Research Project)	€ 30.000

VI – Research Activities

Keywords

Brief Description

Phenylketonuria	The preclinical research activity on phenylketonuria began during the PhD and has continued to this day, representing the main line of research. The studies conducted so far have made it possible to highlight the major psychobiological cerebral deficits of the disease, in particular relating to the serotonergic system, as well as to evaluate the effect of alternative treatments for the recovery of deficits in preclinical models. The research received funding from Sapienza (2007, 2008, 2009, 2010, 2011, 2015) and TeleThon (2009-2010) and led to the launch of national and international collaborations.
Stress	Research on the neurochemistry of the stress response is a traditional research topic within the research team of which the writer is a part. The studies led to the development of a model of cortical-subcortical interactions during exposure to a new stressful experience, and to the development of a sophisticated microdialysis system with 3 probes that allows neurochemical evaluation simultaneously in three brain structures.
Autism	Autism research is part of a multidisciplinary research network. The main contribution of the writer is to investigate the role of serotonin in the behavioral disorders of patients with autism and in their families, since plasma hyperserotoninemia is the best-characterized endophenotype in autism. Studies are also underway aimed at the reproduction of endophenotypes characterized in autism in the preclinical model, to clarify their effects on the brain and behavior.
Gene x environment interaction	Following the funding of the FIRB 2010 Project, a new line of research has been launched on the long-term effects of gene x environment interaction in the encoding of reinforcing and adverse stimuli.

Part VII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	57	Scopus	1998	2020

Regarding the period 1998-2006, the occurrence of 3 compulsory maternity periods in the years 2001, 2003, 2006 is reported.

Total Citations	2450
Average Citations per Product	43
Hirsch (H) index	27

Part VIII–Publications

1. Pazzaglia M, Galli G, Leemhuis E, Giannini AM, **Pascucci** T, Billi E. Loss and beauty: how experts and novices judge paintings with lacunae. *Psychol Res.* **2020** Jun 6. doi: 10.1007/s00426-020-01370-9.

2. **Pascucci** T, Colamartino M, Fiori E, Sacco R, Coviello A, Ventura R, Puglisi- Allegra S, Turriziani L, Persico AM. P-cresol Alters Brain Dopamine Metabolism and Exacerbates Autism-Like Behaviors in the BTBR Mouse. *Brain Sci.* **2020** Apr 13;10(4):233. doi: 10.3390/brainsci10040233. PMID: 32294927; PMCID: PMC7226382.

3. Di Segni M, D'Addario SL, Babicola L, Ielpo D, Lo Iacono L, Andolina D, Accoto A, Luchetti A,

- Mancini C, Parisi C, D'Onofrio M, Arisi I, Brandi R, Pascucci T, Cifani C, D'Amato FR, Ventura R. Xlr4 as a new candidate gene underlying vulnerability to cocaine effects. *Neuropharmacology*. **2020** May 15;168:108019. doi: 10.1016/j.neuropharm.2020.108019.
4. Lo Iacono L, Ielpo D, Accoto A, Di Segni M, Babicola L, D'Addario SL, Ferlazzo F, **Pascucci T**, Ventura R, Andolina D. MicroRNA-34a Regulates the Depression-like Behavior in Mice by Modulating the Expression of Target Genes in the Dorsal Raphè. *Mol Neurobiol*. **2020** Feb;57(2):823-836. doi: 10.1007/s12035-019-01750-2.
5. Di Segni M, Andolina D, D'Addario SL, Babicola L, Ielpo D, Luchetti A, **Pascucci T**, Lo Iacono L, D'Amato FR, Ventura R. Sex-dependent effects of early unstable post-natal environment on response to positive and negative stimuli in adult mice. *Neuroscience*. **2019** Aug 10;413:1-10. doi: 10.1016/j.neuroscience.2019.06.016.
- 6. Pascucci T**, Rossi L, Colamartino M, Gabucci C, Carducci C, Valzania A, Sasso V, Bigini N, Pierigè F, Viscomi MT, Ventura R, Cabib S, Magnani M, Puglisi-Allegra S, Leuzzi V. A new therapy prevents intellectual disability in mouse with phenylketonuria. *Mol Genet Metab*. **2018** May;124(1):39-49. doi: 10.1016/j.ymgme.2018.03.009.
7. Nardecchia F, Orlando R, Iacovelli L, Colamartino M, Fiori E, Leuzzi V, Piccinin S, Nistico R, Puglisi-Allegra S, Di Menna L, Battaglia G, Nicoletti F, **Pascucci T**. Targeting mGlu5 Metabotropic Glutamate Receptors in the Treatment of Cognitive Dysfunction in a Mouse Model of Phenylketonuria. *Front Neurosci*. **2018** Mar 16;12:154. doi: 10.3389/fnins.2018.00154. PMID: 29615849; PMCID: PMC5864888.
8. Fiori E, Oddi D, Ventura R, Colamartino M, Valzania A, D'Amato FR, Bruinenberg V, van der Zee E, Puglisi-Allegra S, **Pascucci T**. Early-onset behavioral and neurochemical deficits in the genetic mouse model of phenylketonuria. *PLoS One*. **2017** Aug 29;12(8):e0183430. doi: 10.1371/journal.pone.0183430. PMID: 28850618; PMCID: PMC5574541.
9. Chirico D, Romano E, Famele M, Draisci R, Mancinelli R, **Pascucci T**, Adriani W. Forced but not free-choice nicotine during lactation alters maternal behavior and noradrenergic system of pups: Impact on social behavior of adolescent isolated male rats. *Neuroscience*. **2017** Oct 11;361:6-18. doi: 10.1016/j.neuroscience.2017.08.007.
10. Di Segni M, Andolina D, Coassin A, Accoto A, Luchetti A, **Pascucci T**, Luzi C, Lizzi AR, D'Amato FR, Ventura R. Sensitivity to cocaine in adult mice is due to interplay between genetic makeup, early environment and later experience. *Neuropharmacology*. **2017** Oct;125:87-98. doi: 10.1016/j.neuropharm.2017.07.014.
11. De Jaco A, Mango D, De Angelis F, Favaloro FL, Andolina D, Nisticò R, Fiori E, Colamartino M, **Pascucci T**. Unbalance between Excitation and Inhibition in Phenylketonuria, a Genetic Metabolic Disease Associated with Autism. *Int J Mol Sci*. **2017** Apr 29;18(5):941. doi: 10.3390/ijms18050941. PMID: 28468253; PMCID: PMC5454854.
12. Cacace F, Mineo D, Viscomi MT, Latagliata EC, Mancini M, Sasso V, Vannelli A, **Pascucci T**, Pendolino V, Marcello E, Pelucchi S, Puglisi-Allegra S, Molinari M, Picconi B, Calabresi P, Ghiglieri V. Intermittent theta-burst stimulation rescues dopamine-dependent corticostriatal synaptic plasticity and motor behavior in experimental parkinsonism: Possible role of glial activity. *Mov Disord*. **2017** Jul;32(7):1035-1046. doi: 10.1002/mds.26982.
13. van Vliet D, Bruinenberg VM, Mazzola PN, van Faassen MH, de Blaauw P, **Pascucci T**, Puglisi-Allegra S, Kema IP, Heiner-Fokkema MR, van der Zee EA, van Spronsen FJ. Therapeutic brain modulation with targeted large neutral amino acid supplements in the Pah-enu2 phenylketonuria mouse model. *Am J Clin Nutr*. **2016** Nov;104(5):1292-1300. doi: 10.3945/ajcn.116.135996.

14. Ulbrich L, Favalaro FL, Trobiani L, Marchetti V, Patel V, **Pascucci T**, Comoletti D, Marciniak SJ, De Jaco A. Autism-associated R451C mutation in neuroligin3 leads to activation of the unfolded protein response in a PC12 Tet- On inducible system. *Biochem J*. **2016** Feb 15;473(4):423-34. doi: 10.1042/BJ20150274. Epub 2015 Nov 30. PMID: 26621873; PMCID: PMC4747159.
15. Di Segni M, Andolina D, Luchetti A, Babicola L, D'Apolito LI, **Pascucci T**, Conversi D, Accoto A, D'Amato FR, Ventura R. Unstable Maternal Environment Affects Stress Response in Adult Mice in a Genotype-Dependent Manner. *Cereb Cortex*. **2016** Oct 17;26(11):4370-4380. doi: 10.1093/cercor/bhv204. PMID:26400917.
16. Fiori, E., Babicola, L., Andolina, D., Coassin, A., **Pascucci, T.**, Patella, L., Han, Y. C., Ventura, A., & Ventura, R. (2015). Neurobehavioral Alterations in a Genetic Murine Model of Feingold Syndrome 2. *Behavior genetics*, 45(5), 547–559. <https://doi.org/10.1007/s10519-015-9724-8>
17. Rossi L, Pierigè F, Carducci C, Gabucci C, **Pascucci T**, Canonico B, Bell SM, Fitzpatrick PA, Leuzzi V, Magnani M. Erythrocyte-mediated delivery of phenylalanine ammonia lyase for the treatment of phenylketonuria in BTBR- Pah(enu2) mice. *J Control Release*. **2014** Nov 28;194:37-44. doi: 10.1016/j.jconrel.2014.08.012. Epub 2014 Aug 23. PMID: 25151978.
18. Pendolino V, Bagezza V, Ghiglieri V, Sgobio C, Morelli E, Poggini S, Branchi I, Latagliata EC, **Pascucci T**, Puglisi-Allegra S, Calabresi P, Picconi B. l-DOPA reverses the impairment of Dentate Gyrus LTD in experimental parkinsonism via β -adrenergic receptors. *Exp Neurol*. **2014** Nov;261:377-85. doi: 10.1016/j.expneurol.2014.07.006.
19. Latagliata EC, Valzania A, **Pascucci T**, Campus P, Cabib S, Puglisi-Allegra S. Stress-induced activation of ventral tegmental mu-opioid receptors reduces accumbens dopamine tone by enhancing dopamine transmission in the medial pre- frontal cortex. *Psychopharmacology (Berl)*. **2014** Oct;231(21):4099-108. doi: 10.1007/s00213-014-3549-7.
- 20. Pascucci T**, Giacobazzo G, Andolina D, Accoto A, Fiori E, Ventura R, Orsini C, Conversi D, Carducci C, Leuzzi V, Puglisi-Allegra S. Behavioral and neurochemical characterization of new mouse model of hyperphenylalaninemia. *PLoS One*. **2013** Dec 20;8(12):e84697. doi: 10.1371/journal.pone.0084697. PMID: 24376837; PMCID: PMC3869930.
21. Costa C, Sgobio C, Siliquini S, Tozzi A, Tantucci M, Ghiglieri V, Di Filippo M, Pendolino V, de Iure A, Marti M, Morari M, Spillantini MG, Latagliata EC, **Pascucci T**, Puglisi-Allegra S, Gardoni F, Di Luca M, Picconi B, Calabresi P. Mechanisms underlying the impairment of hippocampal long-term potentiation and memory in experimental Parkinson's disease. *Brain*. **2012** Jun;135(Pt 6):1884-99. doi: 10.1093/brain/aww101. Epub 2012 May 4. PMID: 22561640.
- 22. Pascucci T**, Giacobazzo G, Andolina D, Conversi D, Cruciani F, Cabib S, Puglisi-Allegra S. In vivo catecholaminergic metabolism in the medial prefrontal cortex of ENU2 mice: an investigation of the cortical dopamine deficit in phenylketonuria. *J Inherit Metab Dis*. **2012** Nov;35(6):1001-9. doi: 10.1007/s10545-012-9473-2.
23. Razzoli, M., Bo, E., **Pascucci, T.**, Pavone, F., D'Amato, F. R., Cero, C., Sanghez, V., Dadomo, H., Palanza, P., Parmigiani, S., Ceresini, G., Puglisi-Allegra, S., Porta, M., Panzica, G. C., Moles, A., Possenti, R., & Bartolomucci, A. Implication of the VGF-derived peptide TLQP-21 in mouse acute and chronic stress responses. *Behav Brain Res*. **2012**;229(2):333-339. doi:10.1016/j.bbr.2012.01.038
24. D'Amato FR, Zanettini C, Lampis V, Coccorello R, **Pascucci T**, Ventura R, Puglisi-Allegra S, Spatola CA, Pesenti-Gritti P, Oddi D, Moles A, Battaglia M. Unstable maternal environment, separation anxiety, and heightened CO2 sensitivity induced by gene-by-environment interplay. *PLoS One*. **2011** Apr 8;6(4):e18637. doi: 10.1371/journal.pone.0018637. PMID: 21494633; PMCID: PMC3072999.
25. Napolioni V, Lombardi F, Sacco R, Curatolo P, Manzi B, Alessandrelli R, Militerni R, Bravaccio C,

Lenti C, Saccani M, Schneider C, Melmed R, **Pascucci T**, Puglisi-Allegra S, Reichelt KL, Rousseau F, Lewin P, Persico AM. Family-based association study of ITGB3 in autism spectrum disorder and its endophenotypes. *Eur J Hum Genet.* **2011** Mar;19(3):353-9. doi: 10.1038/ejhg.2010.180.

26. Andolina D, Conversi D, Cabib S, Trabalza A, Ventura R, Puglisi-Allegra S, **Pascucci T**. 5-Hydroxytryptophan during critical postnatal period improves cognitive performances and promotes dendritic spine maturation in genetic mouse model of phenylketonuria. *Int J Neuropsychopharmacol.* **2011** May;14(4):479-89. doi: 10.1017/S1461145710001288.

27. Carola V, **Pascucci T**, Puglisi-Allegra S, Cabib S, Gross C. Effect of the interaction between the serotonin transporter gene and maternal environment on developing mouse brain. *Behav Brain Res.* **2011** Feb 2;217(1):188-94. doi: 10.1016/j.bbr.2010.10.020.

28. Sacco R, Curatolo P, Manzi B, Militerni R, Bravaccio C, Frolli A, Lenti C, Saccani M, Elia M, Reichelt KL, **Pascucci T**, Puglisi-Allegra S, Persico AM. Principal pathogenetic components and biological endophenotypes in autism spectrum disorders. *Autism Res.* **2010** Oct;3(5):237-52. doi: 10.1002/aur.151. PMID: 20878720.

29. Bartolomucci A, Carola V, **Pascucci T**, Puglisi-Allegra S, Cabib S, Lesch KP, Parmigiani S, Palanza P, Gross C. Increased vulnerability to psychosocial stress in heterozygous serotonin transporter knockout mice. *Dis Model Mech.* **2010** Jul- Aug;3(7-8):459-70. doi: 10.1242/dmm.004614.

30. Pascucci T, Andolina D, Mela IL, Conversi D, Latagliata C, Ventura R, Puglisi-Allegra S, Cabib S. 5-Hydroxytryptophan rescues serotonin response to stress in prefrontal cortex of hyperphenylalaninaemic mice. *Int J Neuropsychopharmacol.* **2009** Sep;12(8):1067-79. doi: 10.1017/S1461145709990381.

31. Bartolomucci A, Bresciani E, Bulgarelli I, Rigamonti AE, **Pascucci T**, Levi A, Possenti R, Torsello A, Locatelli V, Muller EE, Moles A. Chronic intracerebroventricular injection of TLQP-21 prevents high fat diet induced weight gain in fast weight-gaining mice. *Genes Nutr.* **2009** Mar;4(1):49-57. doi: 10.1007/s12263-009-0110-0.

32. Palmieri, L., Papaleo, V., Porcelli, V., Scarcia, P., Gaita, L., Sacco, R., Hager, J., Rousseau, F., Curatolo, P., Manzi, B., Militerni, R., Bravaccio, C., Trillo, S., Schneider, C., Melmed, R., Elia, M., Lenti, C., Saccani, M., **Pascucci, T.**, Puglisi-Allegra, S., ... Persico, A. M. Altered calcium homeostasis in autism-spectrum disorders: evidence from biochemical and genetic studies of the mitochondrial aspartate/glutamate carrier AGC1. *Mol Psychiatry.* **2010**;15(1):38-52. doi:10.1038/mp.2008.63

33. Pascucci T, Andolina D, Ventura R, Puglisi-Allegra S, Cabib S. Reduced availability of brain amines during critical phases of postnatal development in a genetic mouse model of cognitive delay. *Brain Res.* **2008** Jun 27;1217:232-8. doi: 10.1016/j.brainres.2008.04.006.

34. Lintas, C., Sacco, R., Garbett, K., Mirnics, K., Militerni, R., Bravaccio, C., Curatolo, P., Manzi, B., Schneider, C., Melmed, R., Elia, M., **Pascucci, T.**, Puglisi-Allegra, S., Reichelt, K. L., & Persico, A. M. Involvement of the PRKCB1 gene in autistic disorder: significant genetic association and reduced neocortical gene expression. *Mol Psychiatry.* **2009**;14(7):705-718. doi:10.1038/mp.2008.21

35. Carola V, Frazzetto G, **Pascucci T**, Audero E, Puglisi-Allegra S, Cabib S, Lesch KP, Gross C. Identifying molecular substrates in a mouse model of the serotonin transporter x environment risk factor for anxiety and depression. *Biol Psychiatry.* **2008** May 1;63(9):840-6. doi: 10.1016/j.biopsych.2007.08.013

36. Sacco R, Militerni R, Frolli A, Bravaccio C, Gritti A, Elia M, Curatolo P, Manzi B, Trillo S, Lenti C, Saccani M, Schneider C, Melmed R, Reichelt KL, **Pascucci T**, Puglisi-Allegra S, Persico AM. Clinical, morphological, and biochemical correlates of head circumference in autism. *Biol Psychiatry.* **2007** Nov 1;62(9):1038-47. doi: 10.1016/j.biopsych.2007.04.039.

37. De Leonibus E, **Pascucci T**, Lopez S, Oliverio A, Amalric M, Mele A. Spatial deficits in a mouse model

of Parkinson disease. *Psychopharmacology (Berl)*. **2007** Nov;194(4):517-25. doi: 10.1007/s00213-007-0862-4.

38. Sacco R, Papaleo V, Hager J, Rousseau F, Moessner R, Militerni R, Bravaccio C, Trillo S, Schneider C, Melmed R, Elia M, Curatolo P, Manzi B, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Persico AM. Case control and family-based association studies of candidate genes in autistic disorder and its endophenotypes: TPH2 and GLO1. *BMC Med Genet*. **2007** Mar 8;8:11. doi: 10.1186/1471-2350-8-11. PMID: 17346350; PMCID: PMC1851007.

39. **Pascucci** T, Ventura R, Latagliata EC, Cabib S, Puglisi-Allegra S. The medial prefrontal cortex determines the accumbens dopamine response to stress through the opposing influences of norepinephrine and dopamine. *Cereb Cortex*. **2007** Dec;17(12):2796-804. doi: 10.1093/cercor/bhm008.

40. Bartolomucci A, La Corte G, Possenti R, Locatelli V, Rigamonti AE, Torsello A, Bresciani E, Bulgarelli I, Rizzi R, Pavone F, D'Amato FR, Severini C, Mignogna G, Giorgi A, Schininà ME, Elia G, Brancia C, Ferri GL, Conti R, Ciani B, **Pascucci** T, Dell'Omo G, Muller EE, Levi A, Moles A. TLQP-21, a VGF-derived peptide, increases energy expenditure and prevents the early phase of diet-induced obesity. *Proc Natl Acad Sci U S A*. **2006**;103(39):14584-14589. doi:10.1073/pnas.0606102103

41. D'Amelio M, Ricci I, Sacco R, Liu X, D'Agruma L, Muscarella LA, Guarnieri V, Militerni R, Bravaccio C, Elia M, Schneider C, Melmed R, Trillo S, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Macciardi F, Holden JJ, Persico AM. Paraoxonase gene variants are associated with autism in North America, but not in Italy: possible regional specificity in gene-environment interactions. *Mol Psychiatry*. **2005** Nov;10(11):1006-16. doi: 10.1038/sj.mp.4001714. PMID: 16027737.

42. Marinelli S, **Pascucci** T, Bernardi G, Puglisi-Allegra S, Mercuri NB. Activation of TRPV1 in the VTA excites dopaminergic neurons and increases chemical- and noxious-induced dopamine release in the nucleus accumbens. *Neuropsychopharmacology*. **2005** May;30(5):864-70. doi: 10.1038/sj.npp.1300615. PMID: 15562294.

43. Spalloni A, **Pascucci** T, Albo F, Ferrari F, Puglisi-Allegra S, Zona C, Bernardi G, Longone P. Altered vulnerability to kainate excitotoxicity of transgenic-Cu/Zn SOD1 neurones. *Neuroreport*. **2004** Nov 15;15(16):2477-80. doi: 10.1097/00001756-200411150-00009. PMID: 15538178.

44. Ventura R, **Pascucci** T, Catania MV, Musumeci SA, Puglisi-Allegra S. Object recognition impairment in Fmr1 knockout mice is reversed by amphetamine: involvement of dopamine in the medial prefrontal cortex. *Behav Pharmacol*. **2004** Sep;15(5-6):433-42. doi: 10.1097/00008877-200409000-00018. PMID: 15343070.

45. Persico AM, D'Agruma L, Zelante L, Militerni R, Bravaccio C, Schneider C, Melmed R, Trillo S, Montecchi F, Elia M, Palermo M, Rabinowitz D, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Muscarella L, Guarnieri V, Melgari JM, Conciatori M, Keller F. Enhanced APOE2 transmission rates in families with autistic probands. *Psychiatr Genet*. **2004** Jun;14(2):73-82. doi: 10.1097/01.ypg.0000128768.37838.17. PMID: 15167692.

46. Conciatori M, Stodgell CJ, Hyman SL, O'Bara M, Militerni R, Bravaccio C, Trillo S, Montecchi F, Schneider C, Melmed R, Elia M, Crawford L, Spence SJ, Muscarella L, Guarnieri V, D'Agruma L, Quattrone A, Zelante L, Rabinowitz D, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Rodier PM, Persico AM. Association between the HOXA1 A218G polymorphism and increased head circumference in patients with autism. *Biol Psychiatry*. **2004** Feb 15;55(4):413-9. doi: 10.1016/j.biopsych.2003.10.005. PMID: 14960295.

47. Cabib S, **Pascucci** T, Ventura R, Romano V, Puglisi-Allegra S. The behavioral profile of severe mental retardation in a genetic mouse model of phenylketonuria. *Behav Genet*. **2003** May;33(3):301-10. doi: 10.1023/a:1023498508987. PMID: 12837019.

48. **Pascucci** T, Ventura R, Puglisi-Allegra S, Cabib S. Deficits in brain serotonin synthesis in a genetic mouse model of phenylketonuria. *Neuroreport*. **2002** Dec 20;13(18):2561-4. doi: 10.1097/00001756-

200212200-00036. PMID: 12499868.

49. Persico AM, **Pascucci** T, Puglisi-Allegra S, Militerni R, Bravaccio C, Schneider C, Melmed R, Trillo S, Montecchi F, Palermo M, Rabinowitz D, Reichelt KL, Conciatori M, Marino R, Keller F. Serotonin transporter gene promoter variants do not explain the hyperserotoninemia in autistic children. *Mol Psychiatry*. **2002**;7(7):795-800. doi: 10.1038/sj.mp.4001069. PMID: 12192626.

50. Persico AM, Militerni R, Bravaccio C, Schneider C, Melmed R, Trillo S, Montecchi F, Palermo M, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Conciatori M, Keller F. No association between the 4g/5G polymorphism of the plasminogen activator inhibitor-1 gene promoter and autistic disorder. *Psychiatr Genet*. **2001** Jun;11(2):99-103. doi: 10.1097/00041444-200106000-00008. PMID: 11525425.

51. Persico AM, Mengual E, Moessner R, Hall FS, Revay RS, Sora I, Arellano J, DeFelipe J, Gimenez-Amaya JM, Conciatori M, Marino R, Baldi A, Cabib S, **Pascucci** T, Uhl GR, Murphy DL, Lesch KP, Keller F. Barrel pattern formation requires serotonin uptake by thalamocortical afferents, and not vesicular monoamine release. *J Neurosci*. **2001** Sep 1;21(17):6862-73. doi: 10.1523/JNEUROSCI.21-17-06862.2001. Erratum in: *J Neurosci* 2001 Oct 1;21(19):1a. Hall SF [corrected to Hall FS]. PMID: 11517274; PMCID: PMC6763105.

52. Persico AM, D'Agruma L, Maiorano N, Totaro A, Militerni R, Bravaccio C, Wassink TH, Schneider C, Melmed R, Trillo S, Montecchi F, Palermo M, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Conciatori M, Marino R, Quattrocchi CC, Baldi A, Zelante L, Gasparini P, Keller F; Collaborative Linkage Study of Autism. Reelin gene alleles and haplotypes as a factor predisposing to autistic disorder. *Mol Psychiatry*. **2001**;6(2):150-159. doi:10.1038/sj.mp.4000850.

53. Laviola G, **Pascucci** T, Pieretti S. Striatal dopamine sensitization to D-amphetamine in periadolescent but not in adult rats. *Pharmacol Biochem Behav*. **2001** Jan;68(1):115-24. doi: 10.1016/s0091-3057(00)00430-5. PMID: 11274716.

54. Persico AM, Militerni R, Bravaccio C, Schneider C, Melmed R, Trillo S, Montecchi F, Palermo MT, **Pascucci** T, Puglisi-Allegra S, Reichelt KL, Conciatori M, Baldi A, Keller F. Adenosine deaminase alleles and autistic disorder: case-control and family-based association studies. *Am J Med Genet*. **2000** Dec 4;96(6):784-90. PMID: 11121182.

55. Puglisi-Allegra S, Cabib S, **Pascucci** T, Ventura R, Cali F, Romano V. Dramatic brain aminergic deficit in a genetic mouse model of phenylketonuria. *Neuroreport*. **2000** Apr 27;11(6):1361-4. doi: 10.1097/00001756-200004270-00042. PMID: 10817622.

56. Pascucci T, Cioli I, Piszetzky F, Duprè S, Spirito A, Nencini P. Acamprosate does not antagonise the discriminative stimulus properties of amphetamine and morphine in rats. *Pharmacol Res*. **1999** Oct;40(4):333-8. doi: 10.1006/phrs.1999.0524. PMID: 10527645

57. Nencini P, Fraioli S, **Pascucci** T, Nuceri CV. (-)-Norpseudoephedrine, a metabolite of cathinone with amphetamine-like stimulus properties, enhances the analgesic and rate decreasing effects of morphine, but inhibits its discriminative properties. *Behav Brain Res*. **1998** Apr;92(1):11-20. doi: 10.1016/s0166-4328(97)00123-x. PMID: 9588681