



**Rosanna, Squitti, PhD. Laboratory of Biology, Department of Neuroscience, AFaR, Fatebenefratelli Hospital**

NAME: **Rosanna Squitti, PhD**

PLACE AND DATE OF BIRTH: **Rome, Italy 13/04/1969**

POSITION TITLE: **Head of Laboratory of Neurobiology, Dept. of Neurosci. AFaR – Ospedale Fatebenefratelli, Rome, Italy**

**EDUCATION/TRAINING**

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Rome “La Sapienza” (IT)	Laurea	1993	Biology
University of Rome “La Sapienza” (IT)	PhD	1997	Cellular and Developmental Biology
University of Liverpool (UK)	post-doc	1997-1998	Molecular Biology

**Research and Professional Experience**

2002-present	Head of Laboratory of Neurobiology, Department of Neuroscience AFaR – Ospedale Fatebenefratelli, Rome, Italy
2007-present	Head of Laboratory of Neurobiology, Department of Neurology – “Campus Bio-medico” University, Roma, Italy
2010	Consiglio Nazionale delle Ricerche (CNR) associated researcher
2009	Consiglio Nazionale delle Ricerche (CNR) Research Board certification in Molecular Biology (Bando: 364.13 AMMCNT; N. 0053953, 21/07/2009; Codice RM59/1)
2002-2008	Professor in Neurochemistry [2002, BIO12], and Neuroimmunology [2006] school of Residents in Geriatrics and Neurology, “Campus Bio-medico” University, Roma, Italy
2002	Teaching Board certification in Biology and Earth Sciences
1999-2001	Research Assistant, Laboratory of Neurobiology, Department of Neuroscience AFaR– Ospedale Fatebenefratelli, Isola Tiberina, Rome Italy
1994	Board certification (Biology)
1994-1998	Graduate Teaching Assistant, Cellular and Developmental Biology, University of Rome “La Sapienza”
1991-1993	Research Assistant, Dept. Cellular and Developmental Biology, University of Rome “La Sapienza”
scientific interests and achievements	Rosanna Squitti was the first to discover that the fraction of serum copper not bound to ceruloplasmin, referred to as ‘free’ copper, is a risk factor for Alzheimer’s disease (Squitti et al, Neurol 2002, 2003, 2005, 2006, 2009), and that the ATP7B - the gene that controls the body free copper quantity - is a susceptibility gene for Alzheimer’s disease(Squitti et al, J Alzheimers Dis.

	2012; Squitti et al, Rejuvenation Res. 2012; Bucossi et al J Alzheimers Dis. 2012). She also developed a switch-off coumarin fluorescent probe for detecting free copper in serum (Ref Patent: PCT/EP2012/072063). To date she has participated to 13 grants from the Italian Health Department, 4 still in progress.
h-index	<b>h-index: 19 (Scopus)</b>
'Citation index'	R. Squitti is author of more of 62 (ISI) papers with Impact Factor (62 full articles in Pubmed), 2 'Letters', 5 'Review', 5 book chapters; 4 article in press; total citations: 663 (ISI); <b>total Impact Factor: 208</b> ; Associate Editor for Journal of Alzheimer's Disease, January 2011-13. 2011 Academic editor of International Journal of Alzheimer's disease (SAGE-Hindawi).
Ongoing Research Support:	Italian Health Department Grants Program: i) "Marcatori biologici nei disturbi di pazienti con esordio psicotico e nello 'stress da caregiving' dei loro familiari" [RS 08]"; ii) "Profilo Biologico e Genetico della Disfunzione dei Metalli nella Malattia di Alzheimer e nel 'Mild Cognitive Impairment'" [RF 06]; iii) "Identificazione Di Marcatori Biologici Precoci per la Demenza di Alzheimer: Genomica e Proteomica Nella Neurodegenerazione [RF 05]"iv) "Demenza frontotemporale e disturbi del movimento associato" [con. RF03 FTD PS/03/10]. CNR Grant Program: "Ruolo dei livelli di eccitabilita' corticale e di stress ossidativo nella patogenesi della depressione". European Grant Program: European Community's Seventh Framework Programme under grant agreement no 200859, project MEGMRI."

Reference	IF of the year of publication
1. <b>Squitti R</b> , Pasqualetti P, Polimanti R, Salustri C, Moffa F, Cassetta E, Lupoi D, Ventriglia M, Cortesi M, Siotto M, Vernieri F, Rossini PM. Metal-score as a potential non-invasive diagnostic test for Alzheimer's disease. Curr Alzheimer Res. 2012 Oct 2. [Epub ahead of print]	IF: 3.937
2. Ruggeri et al. A multi-element psychosocial intervention for early psychosis (GET UP PIANO TRIAL) conducted in a catchment area of 10 million inhabitants: study protocol for a pragmatic cluster randomized controlled trial. Trials. 2012 May 30;13:73.	IF: 2.5
3. Nobili V, Siotto M, Bedogni G, Ravà L, Pietrobattista A, Panera N, Alisi A, <b>Squitti R</b> . Levels of Serum Ceruloplasmin Associate With Pediatric Nonalcoholic Fatty Liver Disease. J Pediatr Gastroenterol Nutr. 2012 Nov 14.	IF: 2.3
4. <b>Squitti R</b> , Polimanti R, Bucossi S, Ventriglia M, Mariani S, Manfellotto D, Vernieri F, Cassetta E, Ursini F, Rossini PM. Linkage Disequilibrium and haplotype analysis of ATP7B gene in Alzheimer's disease. Rejuvenation Res. 2012 Sep 5. [Epub ahead of print]	IF: 4.2
5. Mariani S, Ventriglia M, Simonelli I, Donno S, Bucossi S, Vernieri F, Melgari J, Pasqualetti P, Rossini PM, <b>Squitti R</b> . Fe and Cu don't differ in Parkinson's disease: a replication study plus meta-analysis. Neurobiol Aging. 2012 in press.	IF: 5.937
6. <b>Squitti R</b> . Metals in Alzheimer's Disease: A Systemic Perspective. Frontiers in Bioscience. Front Biosci. 2012 Jan 1;17:451-72.	IF: 3.736
7. <b>Squitti R</b> . Copper dysfunction in Alzheimer's disease: From meta-analysis of biochemical studies to new insight into genetics. J Trace Elem Med Biol. 2012 May 5. [Epub ahead of print]	IF: 2.176
8. Ventriglia M, Bucossi S, Panetta V, <b>Squitti R</b> . Copper in Alzheimer's Disease: A Meta-Analysis of Serum, Plasma, and Cerebrospinal Fluid Studies. J Alzheimers Dis. 2012 Apr 4. [Epub ahead of print]	IF: 4.261
9. 52. Albani D, Boneschi FM, Biella G, Giacalone G, Lupoli S, Clerici F, Benussi L, Ghidoni R, Galimberti D, <b>Squitti R</b> , Mariani S, Confaloni A, Bruno G, Mariani C, Scarpini E, Binetti G, Magnani G, Franceschi M, Forloni G. Replication Study to Confirm the Role of CYP2D6 Polymorphism rs1080985 on Donepezil Efficacy in Alzheimer's Disease Patients. J Alzheimers Dis. 2012 Mar 30. [Epub ahead of print]	IF: 4.261

10. 51. Piacentini S, Polimanti R, <b>Squitti R</b> , Ventriglia M, Cassetta E, Vernieri F, Rossini PM, Manfellotto D, Fuciarelli M. GSTM1 null genotype as risk factor for late-onset Alzheimer's disease in Italian patients. <i>J Neurol Sci.</i> 2012 Feb 28. [Epub ahead of print]	IF: 3.853
11. <b>Squitti R</b> , Polimanti R. Copper hypothesis in the missing heritability of sporadic Alzheimer's disease: ATP7B gene as potential harbor of rare variants. <i>J Alzheimers Dis.</i> 2012 Jan 1;29(3):493-501	IF: 4.261
12. <b>Squitti R</b> , Sparks D L, Hoogenraad TU, Brewer GJ. Copper Status in Alzheimer's Disease and Other Neurodegenerative Disorders: Genetics, Mechanisms, Neurophysiology, and Therapies. <i>Int J Alzheimers Dis.</i> 2011; in press.	IF: computing
13. Piacentini S, Polimanti R, <b>Squitti R</b> , Mariani S, Migliore S, Vernieri F, Rossini PM, Manfellotto D, Fuciarelli M. GSTO1*E155del polymorphism associated with increased risk for late-onset Alzheimer's disease: Association hypothesis for an uncommon genetic variant. <i>Neurosci Lett.</i> 2011 Nov 7.	IF:2.02
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16. Giambattistelli F, Bucossi S, Salustri C, Panetta V, Mariani S, Siotto M, Ventriglia M, Vernieri F, Dell'Acqua M, Cassetta E, Rossini PM, <b>Squitti R</b> . Effects of Hemochromatosis and Transferrin gene mutations on iron dyshomeostasis, liver dysfunction and on the risk of Alzheimer's disease. <i>Neurobiol Aging.</i> 2011 Apr 20. [Epub ahead of print]	IF: 5.937
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18. Bucossi S, Ventriglia M, Panetta P, Pasqualetti P, Mariani S, Siotto M, Rossini PM, <b>Squitti R</b> . Copper in alzheimer's disease: a meta-analysis of serum, plasma and CSF studies <i>J Alzheimers Dis</i> 2010 Dec 27.	IF: 4.261
19. <b>Squitti R</b> , Ghidoni R, Scrascia F, Benussi L, Panetta V, Pasqualetti P, Moffa F, Bernardini S, Ventriglia M, Binetti G, Rossini PM. Free copper distinguishes mild cognitive impairment subjects from healthy elderly individuals. <i>J Alzheimers Dis.</i> 2011 Jan 1;23(2):239-48.	IF: 4.261
20. Siotto M, Bucossi S, <b>Squitti R</b> . Copper Status Abnormalities and how to Measure Them in Neurodegenerative Disorders. <i>Recent Pat CNS Drug Discov.</i> 2010 Nov;5(3):182-94. Review	
21. <b>Squitti R</b> , Zito G. Anti-copper Therapies in Alzheimer's Disease: New Concepts. <i>Recent Pat CNS Drug Discov.</i> 2009 Nov;4(3):209-19	
22. <b>Squitti R</b> , Salustri C. Agents Complexing Copper as a therapeutic strategy for the treatment of Alzheimer's disease. Review. <i>Curr Alzheimer Res.</i> 2009 Dec;6(6):476-87.	IF: 4.132
23. Salustri C, <b>Squitti R</b> , Zappasodi F, Ventriglia M, Bevacqua MG, Fontana M, Tecchio F. Oxidative stress and brain glutamate-mediated excitability in depressed patients. <i>J Affect Disord.</i> 2010 Jun 12.	IF: 3.763
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<b>R.</b> Is cognitive function linked to serum free copper levels? A cohort study in a normal population. <i>Clin Neurophysiol</i> 2010; 121(4): 502-507.	
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<b>31. Squitti R</b> , Bressi F, Pasqualetti P, Bonomini B, Ghidoni R, Binetti B, Cassetta E, Moffa F, Ventriglia M, Vernieri F, Rossini PM. Longitudinal Prognostic value of serum 'free' copper in patients with Alzheimer's disease. <i>Neurology.</i> 2009 Jan 6;72(1):50-5. IF 6.014.	IF: 8.172
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<b>33. Squitti R</b> , Quattrocchi CC, Salustri C, Rossini PM. Ceruloplasmin fragmentation is implicated in 'Free' Copper Deregulation of Alzheimer Disease. <i>Prion</i> 2008; 2(1): 23-27.	
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<b>37. Squitti R</b> , Quattrocchi CC, Forno GD, Antuono P, Wekstein DR, Capo CR, Salustri C, Rossini PM. Ceruloplasmin (2-D PAGE) Pattern and Copper Content in Serum and Brain of Alzheimer Disease Patients. <i>Biomark Insights.</i> 2007 Feb 7;1:205-13.	IF:1.048
<b>38. Squitti R</b> , Gorgone G, Binetti G, Ghidoni R, Pasqualetti P, Draicchio F, Albini E, Benedetti L, Lucchini R, Rossini PM. G [Metals and oxidative stress in Parkinson's disease from industrial areas with exposition to environmental	

toxins or metal pollution] Ital Med Lav Ergon. 2007 Jul-Sep;29(3 Suppl):294-6. [Italian].	
<b>39. Squitti R</b> , Ventriglia M, Barbati G, Cassetta E, Ferreri F, Dal Forno G, Ramires S., Zappasodi F, Rossini PM. 'Free' copper in serum of Alzheimer's disease patients correlates with markers of liver function. J Neural Transm. 2007;114(12):1589-94.	IF: 2.672
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<b>Letters</b>	
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<b>Book chapters</b>	
3. <b>Squitti R</b> , Siotto M, Salustri C, Salustri C. Metal Dysfunction in	

Alzheimer's disease in Oxidative Stress in Alzheimer's disease edited by Patrizia Mecocci and Domenico Praticò, Springer , 2012 (in press)	
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