



Europass Curriculum Vitae

Personal information

First name / Surname	Prof. Tommaso RUSSO
Address	Via Sergio Pansini, 5 – 80131 Napoli (Italia)
Telephone(s)	+39 081 746 43 95
E-mail	tommaso.russo@unina.it
Nationality	Italian
Date of birth	11/26/1951
Gender	Male

Work experience

Dates	1995 - present
Occupation or position held	Professor of Molecular Biology
Main activities and responsibilities	Research and teaching activity
Name and address of employer	University of Napoli Federico II, Via Sergio Pansini, 5 – 80131 Napoli (Italia)
Type of business or sector	Teaching and Research
Dates	2013-2015
Occupation or position held	Director of the Department of Molecular Medicine and Medical Biotechnology
Main activities and responsibilities	Director
Name and address of employer	University of Napoli Federico II
Type of business or sector	Research and Teaching
Dates	2007-2012
Occupation or position held	Director of the Department of Biochemistry and Medical Biotechnology
Main activities and responsibilities	Director
Name and address of employer	University of Napoli Federico II
Type of business or sector	Research
Dates	1990 -1995
Occupation or position held	Professor of Biochemistry
Main activities and responsibilities	Research and teaching activity
Name and address of employer	University of Napoli Federico II, Via Sergio Pansini, 5 – 80131 Napoli (Italia)
Type of business or sector	Teaching and Research

Dates	1993
Occupation or position held	Visiting scientist
Main activities and responsibilities	Researcher
Name and address of employer	National Cancer Institute - National Institutes of Health, 10 Center Drive Bethesda, United States
Type of business or sector	Research

Dates	1992 - present
Occupation or position held	Head of Sector
Main activities and responsibilities	Medicine Doctor (MD)
Name and address of employer	University Hospital Federico II
Type of business or sector	Laboratory Medicine

Dates	1987-1990
Occupation or position held	Associate Professor of Cellular Biochemistry
Main activities and responsibilities	Research and teaching activity
Name and address of employer	University of Napoli Federico II, Via Sergio Pansini, 5 – 80131 Napoli (Italia)
Type of business or sector	Teaching and Research

Dates	1980-1986
Occupation or position held	Researcher
Main activities and responsibilities	Research activity
Name and address of employer	Italian National Research Council, Via dei Barucci 20 - 50127 Firenze
Type of business or sector	Research

Dates	1976 - 1980
Occupation or position held	Residency
Main activities and responsibilities	Medicine training
Name and address of employer	Division of Oncology, Hospital A. Cardarelli, Via A. Cardarelli n°9, 80131 Napoli
Type of business or sector	Medicine

Education and training

Dates	1976
Title of qualification awarded	Doctor of Medicine (MD)
Name and type of organisation providing education and training	University of Napoli Federico II

Personal skills and competences

Mother tongue(s)	Specify mother tongue Italian
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Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Responsibility, Solidarity, Honesty, Correctitude,

Computer skills and competences

Competent in Microsoft Windows and Apple Macintosh Operating Systems
- Very good command of Microsoft Office tools (Word, Excel, Access, PowerPoint)
- Good command of graphic design (Adobe Photoshop)

Additional information

Include here any other information that may be relevant, for example contact persons, references, etc.
(Remove heading if not relevant, see instructions)

Main research grants

1990-95 M.U.R.S.T. ex 40% "Struttura e regolazione dell'espressione di geni eucarioti"

1991-95 C.N.R. Progetto Finalizzato Ingegneria Genetica "Regolazione tessuto-specifica di geni espressi nel cervello di ratto"

1992-93 I.S.S. "Interazione tra il fattore trascrizionale Fe65 omologo alla integrasi di HIV ed il promotore di HIV"

1995-96 A.I.R.C. "Induzione p21waf/cip1 attraverso un pathway p53-indipendente attivato dallo stress ossidativo"

1997-99 Telethon "The Fe65 protein and the molecular basis of the familial Alzheimer's disease: characterization of its role in the beta-amyloid peptide generation and in the pathways involving the beta-amyloid precursor protein"

1998-2001 C.N.R. Programma Biotecnologie (ex legge 5/95) "Studio dell'interferenza di molecole con effetto farmacologico nella trasduzione mediata dal precursore del peptide beta-amiloide dell'Alzheimer"

1998 Regione Campania – P.O.P. "Modelli animali in vivo per lo studio di malattie di rilevanza sociale"

2000-02 EC- V Framework Program QLK6-1999-02238 "The Fe65-APP-X11 protein-protein interaction network"(GRASPING ALZHEIMER) Coordinator

2000-02 Progetto BIOGEM "Identificazione di geni e loro ruolo in patologia umana"

2001-06 Italian Ministry of Health – Progetto Alzheimer - "Le funzioni della proteina APP ed il loro ruolo nella patogenesi dell'Alzheimer"

2001-05 MURST-FIRB "Meccanismi di regolazione dello sviluppo del sistema nervoso e del differenziamento neurale" (PRONEURO)

2004-06 EC- VI Framework Program "Abnormal proteins in the pathogenesis of neurodegenerative disorders" (APOPIS)

2005-07 Alzheimer Association (USA) "Regulation of gene expression by APP-Fe65 complex"

2006-07 MURST-PRIN "Regolazione della maturazione proteolitica del precursore del peptide beta-amiloide dell'Alzheimer"

2009-2011 European Commission VI Framework Programme – SIROCCO Integrated Project

2008- 2010 AIRC (Italian Association for Cancer Research) "Role of Fe65 in lymphomagenesis and DNA damage response induced by Myc"

2011-2013 AIRC (Italian Association for Cancer Research) "The role of nuclear tau in the response to DNA damage and in tumorigenesis"

2011-2014 PON 2010 "Novel nanotech strategies for development of drugs and diagnostics for targeting of circulating cancer cells"

Editorial and Grant evaluation Activity

Member of the Editorial Board of The Journal of Biological Chemistry (USA) 2003- 2008 and 2010-2015

Ad hoc Reviewer for many premier Journals, such as for example: Cell Death & Differentiation, EMBO Reports, EMBO Journal, FASEB Journal, The Journal of Cell Biology, Journal of Neurochemistry, The Journal of Biological Chemistry, Molecular and Cellular Biology, Neuron, etc.

Ad hoc Reviewer for the following Grant Agencies: Wellcome Trust (UK), MRC (UK), Alzheimer's Association (USA), Fondation pour la Recherche Médicale (FR), Flanders Research Foundation (BE), MIUR FIRB (IT), MIUR-PRIN (IT), CNR (IT), CRUI-Ateneo Italo-Tedesco (IT), AIRC (IT), Istituto Superiore di Sanità (IT), etc.

Other assignments

1997-2000	Committee Coordinator "Programma Biotecnologie" (legge 95/95) Italian National Research Council
1998-2001	Director Sub-project "Biotecnologie Diagnostiche e Biosensori" of "Progetto Finalizzato Biotecnologie" Italian National Research Council
2000-2001	Member of the National Committee of "Centri di Eccellenza" Ministry of Education, Italy
2001- 2007	Coordinator of the Project for the "Centro di Competenza di Genomica Funzionale-GEAR" Campania Region
2000-2002	Coordinator of the Integrated Project "Grasping Alzheimer" of the 5 th Framework Program of the EC
2005-2010	Coordinator of the Technical Committee of the Spin off activities, University of Napoli Federico II
2005-2011	Member of the Committee of the Veterinary facilities, University of Napoli Federico II
2005- 2010	President of the Scientific-Technical Committee of the CEINGE Research Center, Napoli
2006-2007	Member of the Scientific-Technical Committee of the BioGeM Research Center, Ariano Irpino
2007-2012	Director of the Department of Biochemistry and Medical Biotechnology, University of Napoli Federico II
2013-2015	Director of the Department of Molecular Medicine and Medical Biotechnology, University of Napoli Federico II
2009-2012	Member of the Scientific-Technical Committee of the CBA Research Center, Genova
2008-2013	President GEAR scarl
2010-2011	Member of the Board of Directors of the CEINGE scarl
2011-2014	Member of Italian National University Council

Selected publications (2002-2012)

Parisi S, Battista M, Musto A, Navarra A, Tarantino C, Russo T.

A regulatory loop involving *Dies1* and *miR-125a* controls BMP4 signaling in mouse embryonic stem cells. **FASEB J.** 2012, 26(10):3957-68.

Minopoli G, Gargiulo A, Parisi S, Russo T. Fe65 matters: new light on an old molecule. **IUBMB Life.** 2012 ;64:936-42

Parisi S, Russo T.

Regulatory role of *Klf5* in early mouse development and in embryonic stem cells. **Vitam Horm.** 2011; 87:381-97.

Parisi S, Tarantino C, Paoletta G, Russo T.

A flexible method to study neuronal differentiation of mouse embryonic stem cells. **Neurochem Res.** 2010, 35(12):2218-25.

Parisi S, Cozzuto L, Tarantino C, Passaro F, Ciriello S, Aloia L, Antonini D, De Simone V, Pastore L, Russo T.
Direct targets of Klf5 transcription factor contribute to the maintenance of mouse embryonic stem cell undifferentiated state. **BMC Biology** 2010, 8:128

Tarantino C, Paoletta G, Cozzuto L, Minopoli G, Pastore L, Parisi S, Russo T.
miRNA 34a, 100, and 137 modulate differentiation of mouse embryonic stem cells. **FASEB J.** 2010, 24: 3255-63.

Aloia L, Parisi S, Fusco L, Pastore L, Russo T.
Differentiation of embryonic stem cells 1 (Dies1) is a component of bone morphogenetic protein 4 (BMP4) signaling pathway required for proper differentiation of mouse embryonic stem cells. **J Biol Chem.** 2010 285: 7776-83.

Stante M, Minopoli G, Passaro F, Raia M, Vecchio LD, Russo T.
Fe65 is required for Tip60-directed histone H4 acetylation at DNA strand breaks. **Proc Natl Acad Sci USA.** 2009, 106:5093-8.

Ferrari-Toninelli G, Bonini SA, Uberti D, Napolitano F, Stante M, Santoro F, Minopoli G, Zambrano N, Russo T, Memo M.
Notch activation induces neurite remodeling and functional modifications in SH-SY5Y neuronal cells. **Dev Neurobiol.** 2009 Mar 4;69(6):378-391.

Zhou D, Zambrano N, Russo T, D'Adamio L.
Phosphorylation of a Tyrosine in the Amyloid-beta Protein Precursor Intracellular Domain Inhibits Fe65 Binding and Signaling. **J Alzheimers Dis.** 2009 Feb;16:301-7.

Parisi S, Passaro F, Aloia L, Manabe I, Nagai R, Pastore L, Russo T.
Klf5 is involved in self-renewal of mouse embryonic stem cells. **J Cell Sci.** 2008 Aug 15;121:2629-34.

Napolitano F, D'Angelo F, Bimonte M, Perrina V, D'Ambrosio C, Scaloni A, Russo T, Zambrano N.
A differential proteomic approach reveals an evolutionary conserved regulation of Nme proteins by Fe65 in *C. elegans* and mouse. **Neurochem Res.** 2008 Dec;33(12):2547-55.

Minopoli G, Passaro F, Aloia L, Carlomagno F, Melillo RM, Santoro M, Forzati F, Zambrano N, Russo T.
Receptor- and non-receptor tyrosine kinases induce processing of the amyloidprecursor protein: role of the low-density lipoprotein receptor-related protein. **Neurodegener Dis.** 2007;4(2-3):94-100.

Nizzari M, Venezia V, Repetto E, Caorsi V, Magrassi R, Gagliani MC, Carlo P, Florio T, Schettini G, Tacchetti C, Russo T, Diaspro A, Russo C.
Amyloid precursor protein and Presenilin1 interact with the adaptor GRB2 and modulate ERK 1,2 signaling. **J Biol Chem.** 2007 May 4;282(18):13833-44.

Caratù G, Allegra D, Bimonte M, Schiattarella GG, D'Ambrosio C, Scaloni A, Napolitano M, Russo T, Zambrano N.
Identification of the ligands of protein interaction domains through a functional approach. **Mol Cell Proteomics.** 2007 Feb;6(2):333-45.

Minopoli G, Stante M, Napolitano F, Telese F, Aloia L, De Felice M, Di Lauro R, Pacelli R, Brunetti A, Zambrano N, Russo T.
Essential roles for Fe65, Alzheimer amyloid precursor-binding protein, in the cellular response to DNA damage. **J Biol Chem.** 2007 Jan 12;282(2):831-5.

Faraonio R, Vergara P, Di Marzo D, Pierantoni MG, Napolitano M, Russo T, Cimino F.
p53 suppresses the Nrf2-dependent transcription of antioxidant response genes. **J Biol Chem.** 2006 Dec 29;281(52):39776-84.

De Chiara G, Marcocci ME, Torcia M, Lucibello M, Rosini P, Bonini P, Higashimoto Y, Damonte G, Armirotti A, Amodei S, Palamara AT, Russo T, Garaci E, Cozzolino F.
Bcl-2 Phosphorylation by p38 MAPK: identification of target sites and biologic consequences. **J Biol Chem.** 2006 Jul 28;281(30):21353-61.

Faraonio R, Vergara P, Marzo DD, Napolitano M, Russo T, Cimino F.
Transcription regulation in NIH3T3 cell clones resistant to diethylmaleate-induced oxidative stress and apoptosis.
Antioxid Redox Signal. 2006 Mar-Apr;8(3-4):365-74.

Bevilacqua MA, Iovine B, Zambrano N, D'Ambrosio C, Scaloni A, Russo T, Cimino F.
Fibromodulin gene transcription is induced by ultraviolet irradiation, and its regulation is impaired in senescent human fibroblasts. **J Biol Chem.** 2005 Sep 9;280(36):31809-17

Potenza N, Vecchione C, Notte A, De Rienzo A, Rosica A, Bauer L, Affuso A, De Felice M, Russo T, Poulet R, Cifelli G, De Vita G, Lembo G, Di Lauro R.
Replacement of K-Ras with H-Ras supports normal embryonic development despite inducing cardiovascular pathology in adult mice. **EMBO Rep.** 2005 May;6(5):432-7.

Di Giaimo R, Russo GM, Bevilacqua MA, Iovine B, Del Gaudio R, Geraci G, Russo T.
The expression of de novo DNA methylase DNMT3b, of the methyl-CpG binding protein MBD2b and of 5-MCDG glycosylase shows two waves of induction during CaCO-2 cell differentiation. **Gene.** 2005 May 23;351:73-81.

Barbato C, Canu N, Zambrano N, Serafino A, Minopoli G, Ciotti MT, Amadoro G, Russo T, Calissano P.
Interaction of Tau with Fe65 links tau to APP. **Neurobiol Dis.** 2005 Mar;18(2):399-408.

Telese F, Bruni P, Donizetti A, Gianni D, D'Ambrosio C, Scaloni A, Zambrano N, Rosenfeld MG, Russo T.
Transcription regulation by the adaptor protein Fe65 and the nucleosome assembly factor SET. **EMBO Rep.** 2005 Jan;6(1):77-82.

Bimonte M, Gianni D, Allegra D, Russo T, Zambrano N.
Mutation of the feh-1 gene, the Caenorhabditis elegans orthologue of mammalian Fe65, decreases the expression of two acetylcholinesterase genes. **Eur J Neurosci.** 2004 Sep;20(6):1483-8.

Esposito F, Ammendola R, Faraonio R, Russo T, Cimino F.
Redox control of signal transduction, gene expression and cellular senescence. **Neurochem Res.** 2004 Mar;29(3):617-28.

Zambrano N, Gianni D, Bruni P, Passaro F, Telese F, Russo T.
Fe65 is not involved in the platelet-derived growth factor-induced processing of Alzheimer's amyloid precursor protein, which activates its caspase-directed cleavage. **J Biol Chem.** 2004 Apr 16;279(16):16161-9.

Ammendola R, Russo L, De Felice C, Esposito F, Russo T, Cimino F.
Low-affinity receptor-mediated induction of superoxide by N-formyl-methionyl-leucyl-phenylalanine and WKYMVm in IMR90 human fibroblasts. **Free Radic Biol Med.** 2004 Jan 15;36(2):189-200.

Esposito F, Chirico G, Montesano Gesualdi N, Posadas I, Ammendola R, Russo T, Cirino G, Cimino F.
Protein kinase B activation by reactive oxygen species is independent of tyrosine kinase receptor phosphorylation and requires SRC activity. **J Biol Chem.** 2003 Jun 6;278(23):20828-34.

Gianni D, Zambrano N, Bimonte M, Minopoli G, Mercken L, Talamo F, Scaloni A, Russo T.
Platelet-derived growth factor induces the beta-gamma-secretase-mediated cleavage of Alzheimer's amyloid precursor protein through a Src-Rac-dependent pathway. **J Biol Chem.** 2003 Mar 14;278(11):9290-7.

Russo C, Dolcini V, Salis S, Venezia V, Violani E, Carlo P, Zambrano N, Russo T, Schettini G.
Signal transduction through tyrosine-phosphorylated carboxy-terminal fragments of APP via an enhanced interaction with Shc/Grb2 adaptor proteins in reactive astrocytes of Alzheimer's disease brain.
Ann N Y Acad Sci. 2002 Nov;973:323-33.

Bevilacqua MA, Faniello MC, Iovine B, Russo T, Cimino F, Costanzo F.
Transcription factor NF-Y regulates differentiation of CaCo-2 cells. **Arch Biochem Biophys.** 2002 Nov 1;407(1):39-44.

Tarr PE, Contursi C, Roncarati R, Noviello C, Ghersi E, Scheinfeld MH, Zambrano N, Russo T, D'Adamio L.
Evidence for a role of the nerve growth factor receptor TrkA in tyrosine phosphorylation and processing of beta-APP.
Biochem Biophys Res Commun. 2002 Jul 12;295(2):324-9.

Esposito F, Russo T, Cimino F.
Generation of prooxidant conditions in intact cells to induce modifications of cell cycle regulatory proteins.
Methods Enzymol. 2002;352:258-68.

Faraonio R, Pane F, Intrieri M, Russo T, Cimino F.
In vitro acquired cellular senescence and aging-specific phenotype can be distinguished on the basis of specific mRNA expression. **Cell Death Differ.** 2002 Aug;9(8):862-4.

Bruni P, Minopoli G, Brancaccio T, Napolitano M, Faraonio R, Zambrano N, Hansen U, Russo T.
Fe65, a ligand of the Alzheimer's beta-amyloid precursor protein, blocks cell cycle progression by down-regulating thymidylate synthase expression. **J Biol Chem.** 2002 Sep 20;277(38):35481-8.

Russo C, Dolcini V, Salis S, Venezia V, Zambrano N, Russo T, Schettini G.
Signal transduction through tyrosine-phosphorylated C-terminal fragments of amyloid precursor protein via an enhanced interaction with Shc/Grb2 adaptor proteins in reactive astrocytes of Alzheimer's disease brain. **J Biol Chem.** 2002 Sep 20;277(38):35282-8.

Zambrano N, Bimonte M, Arbucci S, Gianni D, Russo T, Bazzicalupo P.
feh-1 and apl-1, the *Caenorhabditis elegans* orthologues of mammalian Fe65 and beta-amyloid precursor protein genes, are involved in the same pathway that controls nematode pharyngeal pumping. **J Cell Sci.** 2002 Apr 1;115(Pt 7):1411-22.

Ammendola R, Ruocchio MR, Chirico G, Russo L, De Felice C, Esposito F, Russo T, Cimino F.
Inhibition of NADH/NADPH oxidase affects signal transduction by growth factor receptors in normal fibroblasts.
Arch Biochem Biophys. 2002 Jan 15;397(2):253-7.