

Prof. Mauro Piacentini

Curriculum Vitae

Professore Ordinario di Biologia Cellulare e dello Sviluppo
Dipartimento di Biologia
Università di Roma "Tor Vergata"
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Titoli accademici e di studio

1976 Laurea in Scienze Biologiche 110/110 e lode Università di Roma "La Sapienza", Italia.

Formazione post-laurea presso istituzioni italiane ed estere e incarichi professionali:

Data	Titolo	Organizzazione	Città, Nazione
2000-oggi	Professore Ordinario	Università di Roma "Tor Vergata",	Roma, Italia
2013-oggi	Membro Consiglio di Amministrazione	Università di Roma "Tor Vergata",	Roma, Italia
2013-oggi	Presidente	Centro di Biotecnologie Farmaceutiche	Rome, Italia
2015-2017	Professore Visitatore	Università Federale di San Paolo	Brasile
2005-oggi	Board of Directors	European Cell Death Organization	Europa
1998-oggi	Direttore Laboratorio	Istituto Nazionale per le Malattie Infettive "Lazzaro Spallanzani"	Roma, Italia
2004-2012	Presidente	Corso di laurea in Biotecnologie della Facoltà di Scienze MM.FF.NN. dell'Università di Roma "Tor Vergata".	
2004-2008	Program Coordinator	Marie-Curie, Comunità Europea	Brussels, Belgium
2004-2007	Board of Directors	SpaXen Italia Srl	Roma-New York, USA
1994-2006	Board of Directors	International Cell Death Society	New York, USA
2002-2005	Presidente	European Cell Death Organization	Europa
1994-2002	Vice Presidente	European Cell Death Organization	Europa
1998-1999	Professore Associato	Tuscia University	Viterbo, Italia
1984-1986	Postdoctoral Fellow	National Institute of Health, NIDR	Bethesda, USA
1984-1998	Ricercatore	Università di Roma "Tor Vergata",	Roma, Italia
1978-	Postdoctoral Fellow	Dept of Pathology, Karolinska	Stoccolma, Svezia

Finanziamenti ricevuti per attività di ricerca:

Agenzie internazionali:

Prof Piacentini ha ricevuto 10 finanziamenti dall' UE per un totale di 3.5 Milioni di Euro

-1992-1995 Concerted Action Contract Nr. BMH1-CT92-1571 (Partner), -1997-2000 EC Copernicus project Contract Nr. ICI-CT97-0901 (Partner)

-1995-1998 EU grant "IV Framework" Contract Nr. BI04-CT95-0207 (Partner) "Increasing the cell culture productivity by control of programmed cell death (apoptosis)"

-1999-2003 EU grant "V Framework" Contract Nr. QLG1-CT-1999-00739 (Partner) "Fundamental mechanisms of apoptosis/cell death regulation in normal and cancer cells" Acronim: Apoptosis mechanisms

-2002-2005 EU grant "V Framework" Contract Nr. QLK3-CT-2002-02017 (Partner) "Clearance of apoptotic cells: discovery of autoantigens and therapy for autoimmune diseases" Acronim: APOCLEAR

-2004-2008 Marie Curie Conferences and Training Courses, Contract Nr. MSCF-CT-2003-504454 (Co-ordinator) "Euroconference on Programmed Cell Death"

-2006-2009 Marie Curie, Research Training Network, Contract Nr. MRTN – CT – 2006 – 036032. (Partner) "Transglutaminases: role in pathogenesis, diagnosis and therapy"

-2006 European Commission "Descartes Award".

-2008-2012 EU grant "VII Framework" Contract Nr. FP7-Health-2007 A (Partner) "Apoptosis biology system application to AIDS and cancer" Acronim: APO-SYS

-2010-2012 CHDI "Dissecting the Role of TG2 in Huntington Diseases" Los Angeles USA

-2011-2015 Marie Curie, Research Training Network, Transglutaminases: role in pathogenesis, diagnosis and therapy" Contract Nr. MRTN – CT –289964. (Partner)

Agenzie Nazionali

Dal 1988 ad oggi ilProf. Piacentini ha ricevuto numerosi finanziamenti dalle sottoelocate agenzie nazionali per un totale di oltre 3.0 milioni di euro:

- Consiglio Nazionale delle Ricerche
- Ministero dell'Università e Ricerca Scientifica
- Ministero della Salute
- Associazione Italiana per la Ricerca sul Cancro (AIRC)
- Telethon
- Banca S.Paolo di Torino
- Fondazione Fibrosi Cistica

Attività di revisore di finanziamenti per le seguenti agenzie:

National Science Foundation (NSF) USA.
Medical Research Council" (MRC) Inghilterra,
International Human Frontier Science Program (HFS) Francia.
Wellcome Trust, Inghilterra.
Science Foundation Irlanda.
Associazione Italiana Ricerca sul Cancro (AIRC), Italia.
Ministero della Salute, Italia.
Ministero dell'Università, Italia.
University of Ghent, Belgio.

FWO, Belgio.
 Aids Fonds, Olanda.
 Ministry of Education and Science, Russia

Premi e Riconoscimenti

Data	Istituzione	Descrizione	Nazione
2016	Invited speaker	Nobel Conference	Stoccolma/Svezia
2013	Premio alla Carriera	International Cell Death Society	USA
2012	Invited speaker	Nobel Conference	Stoccolma/Svezia
2010	Elected Chair	Gordon Research Conference	USA
2007	"Japanese Society for Promotion of Science"	JSPS award	Giappone
2007	Keynote speaker	7th International Meeting of the Slovenian Biochemical Society	Slovenia
2006	"Descartes Award"	European Commission	Europa
2006	Member of Expert Group	Ministero della sanità	Italia
2005	Keynote speaker	International Immunology and Reumatology Meeting	Taiwan
1999-2005	Rappresentante Italiano	EU Cost Action 844	Belgio

Appartenenza ad organizzazioni scientifiche e/o professionali

Date	Organizzazione	Posizione
2012	Accademia Medica Romana	Membro
2005	Nomenclature Committee on Cell Death (NCCD)	Membro
2000-2005	European Science Foudation "Transglutaminasea and Protein Crosslinking Programme"	Membro
1994-present	European Cell Death Organization	Membro Fondatore
1991-present	Italian Cell Biology Society	Membro
1984-present	Italian Society for Biochemistry	Membro

Attività editoriali

Il Prof. Piacentini è uno dei fondatori del rivista "Cell Death and Differentiation" (I.F. 2016 8.3) per la quale opera come Receiving Editor ininterrottamente dal 1994 e della rivista "Cell Death and Disease" (I.F. 2016 5.4) per la quale opera come Editor-in-Chief Editor. Le riviste sono pubblicate dal Springer/Nature Publishing Group (Inghilterra).

Nel 2007 ha svolto il ruolo di "Guest Editor" per Methods in Enzymology.

Dal 2008 al 2014 ha fatto parte dell'Editorial Board della rivista "Journal of Biomedicine and Biotechnology" (I.F. 2007 2.0)

Opera come revisore delle seguenti riviste internazionali:

Autophagy, Biochemical and Biophysical Research Communication, Brain Research, Cancer Research, Cancer Cell; Cell Death and Differentiation, Experimental Cell Research, FEBS Letters, Journal of Biological Chemistry, Journal of Cell Biology, Journal of Cellular and Molecular Medicine, Journal of Cell Science, Journal of Immunology, Journal of Internal Medicine, Journal of Neurochemistry, Journal of Physiology, International Immunology, International Journal of Cancer, Molecular and Cellular Biology, Plos One, Oncogene, Nature. Science Report.

Brevetti

1998	US Patents n. 5750360	Method for quantitatively measuring apoptosis The invention encompasses methods of detecting and/or quantifying $\epsilon(\gamma\text{-glutamyl})\text{lysine}$ isodipeptide by catalytically releasing lysine, then measuring free lysine.
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Altre attività

Il prof Mauro Piacentini ha organizzato numerosi meeting internazionali:

- "Apoptosis in AIDS and Cancer" Dicembre 1993, Parigi, Francia.
- Advanced Courses on "Cell Differentiation and Death" May 1994, Erice, Italia.
- "Transglutaminases and Protein Cross-linkings Reactions" Agosto 1994, Debrecen, Ungheria.

- "New Cancer Strategies: Apoptotic Based-Therapies" september 1994, San Diego (CA), U.S.A.
- 3rd Workshop "Biochemistry of Neuroectodermal Tumours", June 1995 Roma, Italia.
- 1st International Conference on "Apoptosis in Skeletal and Cardiac Muscles" Giugno, Abano Terme, Italia.
- 4th Euroconference on "Apoptosis or Programmed Cell Death" Settembre 1996, Capri, Italy.
- 1st Course on "Molecular Mechanisms of Apoptosis" May 1997, Tucuman, Argentina.
- "Transglutaminases and Protein Cross-linkings Reactions" September 2000, Lyon, Francia.
- 8-14th Euroconferences on "Apoptosis or Programmed Cell Death" held in: Davos 2000 (Svizzera); Vienna 2001 (Austria); Paris 2002 (Francia); Gent 2003 (Belgio), Chania 2004, (Grecia); Budapest 2005 (Ungheria); Chia Lugana 2006 (Italia); Portoroz (2007) Slovenia.
- 1st Workshop on Programmed Cell Death in Plants, Habana, 2004, Cuba.
- 1st Corso on "Cellular and Molecular Basis of Cell Death" June 2005, Habana, Cuba.
- 1st Workshop on "Proteomics in Translational Research" November 2005, Roma.
- "Transglutaminases and Protein Cross-linkings Reactions" September 2007, Marrakesh, Marocco.
- 20th Euroconference on "Apoptosis or Programmed Cell Death" September 2012, Roma, Italia.
- 3rd Gordon Research Conference on "Transglutaminases in Human Diseases Processes" Il Ciocco, Luglio 2014. Italia.

Attività scientifica

Mauro Piacentini è autore di oltre 270 lavori a stampa su riviste internazionali ad alto indice di impatto fra le quali **Nature, Science, Nature Medicine, Nature Cell Biology, Proceeding of the National Academy of Science (USA)** (vedi elenco pubblicazioni) con un numero complessivo di citazioni superiore di oltre 25,000, un fattore di impatto totale superiore a 1,800 e H-index=67.

Recensioni su i lavori pubblicati dal Prof. Piacentini sono state pubblicati sulle seguenti riviste internazionali ad elevato indice di impatto:

Journal of National Cancer Institute, September 1; 2004;

Cell Death and Differentiation, Vol. 11, 2004;

Nature Cell Biology, July 2007.

Nature Business Exchange, September 2011.

L'attività scientifica del Prof. Mauro Piacentini ha riguardato vari aspetti della regolazione del programma di morte cellulare ed autofagia in condizioni fisiologiche e patologiche.

Tale attività puo' essere così riassunta:

Elenco Pubblicazioni degli ultimi 5 anni

Il prof. Mauro Piacentini è autore di oltre 270 pubblicazioni su riviste internazionali con un H-index complessivo di 66 (Scopus) 74 (Google scholar) e un numero totale di citazioni di oltre 30,000 (https://scholar.google.it/citations?user=_ymkL7kAAAAJ&hl=it).

2012

200. Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012.
Galluzzi L, Vitale I, Abrams JM, Alnemri ES, Baehrecke EH, Blagosklonny MV, Dawson TM, Dawson VL, El-Deiry WS, Fulda S, Gottlieb E, Green DR, Hengartner MO, Kepp O, Knight RA, Kumar S, Lipton SA, Lu X, Madeo F, Malorni W, Mehlen P, Nuñez G, Peter ME, **Piacentini M**, Rubinsztein DC, Shi Y, Simon HU, Vandenabeele P, White E, Yuan J, Zhivotovsky B, Melino G, Kroemer G.
Cell Death Differ. 19(1):107-20.
201. Autophagy Protects Cells from HCV-Induced Defects in Lipid Metabolism.
Vescovo T, Romagnoli A, Perdomo AB, Corazzari M, Ciccocanti F, Alonzi T, Nardacci R, Ippolito G, Tripodi M, Garcia-Monzon C, Lo Iacono O, **Piacentini M**, Fimia GM.
Gastroenterology. 142(3):644-653.e3.
202. Liver protein profiling in chronic hepatitis C: Identification of potential predictive markers for interferon therapy outcome.
Basulto Perdomo A, Ciccocanti F, Lo Iacono O, Angeletti C, Corazzari M, Daniele N, Testa A, Pisa R, Ippolito G, Antonucci G, Fimia GM, **Piacentini M**.
J Proteome Res. 11(2):717-27.
203. Beclin1: A role in membrane dynamics and beyond.
Wirawan E, Lippens S, Vanden Berghe T, Romagnoli A, Fimia GM, **Piacentini M**, Vandenabeele P.
Autophagy 1; 8 (1).
204. Type 2 transglutaminase is involved in the autophagy-dependent clearance of ubiquitinated proteins.
D'Eletto M, Farrace MG, Rossin F, Strappazon F, Giacomo GD, Cecconi F, Melino G, Sepe S, Moreno S, Fimia GM, Falasca L, Nardacci R, **Piacentini M**.
Cell Death Differ. 19(7):1228-38.
205. Toxic effects of expanded ataxin-1 involve mechanical instability of the nuclear membrane.
Mapelli L, Canale C, Pesci D, Averaimo S, Guizzardi F, Fortunati V, Falasca L, **Piacentini M**, Gliozzi A, Relini A, Mazzanti M, Jodice C.
Biochim Biophys Acta. 1822(6):906-17.
206. The reticulons: Guardians of the structure and function of the endoplasmic reticulum.
Di Sano F, Bernardoni P, **Piacentini M**.
Exp Cell Res. 318(11):1201-7.
207. Proteolysis of Ambra1 during apoptosis has a role in the inhibition of the autophagic pro-survival response.
Pagliarini V, Wirawan E, Romagnoli A, Ciccocanti F, Lisi G, Lippens S, Cecconi F, Fimia GM, Vandenabeele P, Corazzari M, **Piacentini M**.
Cell Death Differ. 19(9):1495-504.
208. Specific T Cells Restore the Autophagic Flux Inhibited by Mycobacterium tuberculosis in Human Primary Macrophages.
Petruccioli E, Romagnoli A, Corazzari M, Coccia EM, Butera O, Delogu G, **Piacentini M**, Girardi E, Fimia

- GM, Goletti D.
J Infect Disease 205(9):1425-35.
209. Dismantling the autophagic arsenal when it is time to die: Concerted AMBRA1 degradation by caspases and calpains.
 Corazzari M, Fimia GM, **Piacentini M**.
Autophagy 1;8(8).
210. Reticulon Protein-1C: A New Hope in the Treatment of Different Neuronal Diseases.
 Di Sano F, **Piacentini M**.
Int J Cell Biol.
211. ESX-1 dependent impairment of autophagic flux by Mycobacterium tuberculosis in human dendritic cells.
 Romagnoli A, Etna MP, Giacomini E, Pardini M, Remoli ME, Corazzari M, Falasca L, Goletti D, Gafa V, Simeone R, Delogu G, **Piacentini M**, Brosch R, Fimia GM, Coccia EM.
Autophagy 1;8(9).
212. Guidelines for the use and interpretation of assays for monitoring autophagy.
 Klionsky DJ, et al.
Autophagy 8(4):445-544.
213. An Immunosurveillance Mechanism Controls Cancer Cell Ploidy
 Senovilla L, Vitale I, Martins I, Tailler M, Pailleret C, Michaud M, Galluzzi L, Adjemian S, Kepp O, Niso-Santano M, Shen S, Mariño G, Criollo A, Boilève A, Job B, Ladoire S, Ghiringhelli F, Sistigu A, Yamazaki T, Rello-Varona S, Locher C, Poirier-Colame V, Talbot M, Valent A, Berardinelli F, Antocchia A, Ciccocanti F, Fimia GM, **Piacentini M**, Fueyo A, Messina NL, Li M, Chan CJ, Sigl V, Pourcher G, Ruckenstein C, Carmona-Gutierrez D, Lazar V, Penninger JM, Madeo F, López-Otín C, Smyth MJ, Zitvogel L, Castedo M, Kroemer G.
Science. 337(6102):1678-84.
214. Applying proteomic technology to clinical virology.
 Mancone C, Ciccocanti F, Montaldo C, Perdomo AB, **Piacentini M**, Alonzi T, Fimia GM, Tripodi M.
Clin Microbiol Infect. (1):23-8.
215. Ambra1 at the crossroad between autophagy and cell death.
 Fimia GM, Corazzari M, Antonioli M, **Piacentini M**.
Oncogene 32(28):3311-8.
216. Interplay between autophagy and apoptosis in the development of Danio rerio follicles and the effects of a probiotic.
 Gioacchini G, Valle LD, Benato F, Fimia GM, Nardacci R, Ciccocanti F, **Piacentini M**, Borini A, Carnevali O.
Reprod Fertil Dev. 25(8):1115-25.

2013

217. Molecular mechanisms of selective autophagy.
 Fimia GM, Kroemer G, **Piacentini M**.
Cell Death Differ. (1):1-2.
218. Transglutaminases: future perspectives.
 Beninati S, Facchiano F, **Piacentini M**.
Amino Acids 44(1):1-9.
219. Ambra1 knockdown in zebrafish leads to incomplete development due to severe defects in organogenesis.
 Benato F, Skobo T, Gioacchini G, Moro I, Ciccocanti F, **Piacentini M**, Fimia GM, Carnevali O, Valle LD.
Autophagy 9(4).
220. Autophagy in Mycobacterium tuberculosis infection: A passepartout to flush the intruder out?
 Goletti D, Petruccioli E, Romagnoli A, **Piacentini M**, Fimia GM.
Cytokine Growth Factor Rev. 24(4):335-43.
221. mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function through AMBRA1 and TRAF6.
 Nazio F, Strappazon F, Antonioli M, Bielli P, Cianfanelli V, Bordi M, Gretzmeier C, Dengjel J, **Piacentini M**, Fimia GM, Cecconi F.
Nature Cell Biology 15(4):406-16.
222. Reticulon1-C modulates protein disulphide isomerase function.
 Bernardoni P, Fazi B, Costanzi A, Nardacci R, Montagna C, Filomeni G, Ciriolo MR, **Piacentini M**, Di Sano F.
Cell Death Dis 4:e581. doi: 10.1038/cddis.2013.113.
223. Telavancin and Daptomycin activity against methicillin-resistant Staphylococcus aureus strains after vancomycin resistance selection in vitro.
 Taglietti F, Principe L, Bordi E, D'Arezzo S, Di Bella S, Falasca L, **Piacentini M**, Stefani S, Petrosillo N.
Journal of Med Microbiol. 62(Pt 7):1101-2.
224. Why is Autophagy Important for Melanoma? Molecular Mechanisms and Therapeutic Implications.
 Corazzari M, Fimia GM, Lovat P, **Piacentini M**.
Seminar Cancer Biol doi:pil: S1044-579X(13)00063-1. 10.1016.
225. A New Transgenic Mouse Model for Studying the Neurotoxicity of Spermine Oxidase Dosage in the Response to Excitotoxic Injury.
 Cervelli M, Bellavia G, D'Amelio M, Cavallucci V, Moreno S, Berger J, Nardacci R, Marcoli M, Maura G, **Piacentini M**, Amendola R, Cecconi F, Mariottini P.
PLoS One 19;8(6).

226. Caspase-2 promotes cytoskeleton protein degradation during apoptotic cell death. Vakifahmetoglu-Norberg H, Norberg E, Perdomo AB, Olsson M, Ciccocanti F, Orrenius S, Fimia GM, **Piacentini M**, Zhivotovskiy B. **Cell Death Dis** doi: 10.1038/cddis.2013.463.
227. The Fragile X Protein binds mRNAs involved in cancer progression and modulates metastasis formation. Lucá R, Averna M, Zalfa F, Vecchi M, Bianchi F, Fata GL, Del Nonno F, Nardacci R, Bianchi M, Nuciforo P, Munck S, Parrella P, Moura R, Signori E, Alston R, Kuchnio A, Farace MG, Fazio VM, **Piacentini M**, De Strooper B, Achsel T, Neri G, Neven P, Evans DG, Carmeliet P, Mazzone M, Bagni C. **EMBO Mol Med**. 5(10):1523-1536.
228. [Applying proteomic technology to clinical virology.](#) Mancone C, Ciccocanti F, Montaldo C, Perdomo AB, **Piacentini M**, Alonzi T, Fimia GM, Tripodi M. **Clin Microbiol Infect**.19(1):23-8.

2014

229. Expression of Ambra1 in mouse brain during physiological and Alzheimer type aging. Sepe S, Nardacci R, Fanelli F, Rosso P, Bernardi C, Cecconi F, Mastroberardino PG, **Piacentini M**, Moreno S. **Neurobiol of Aging** 35(1):96-108.
230. Impaired autophagic flux is associated with increased endoplasmic reticulum stress during the development of NAFLD. González-Rodríguez A, Mayoral R, Agra N, Valdecantos MP, Pardo V, Miquilena-Colina ME, Vargas-Castrillón J, Lo Iacono O, Corazzari M, Fimia GM, **Piacentini M**, Muntané J, Boscá L, García-Monzón C, Martín-Sanz P, Valverde AM. **Cell Death Dis** :e1179. doi: 10.1038/cddis.2014.162.
231. Autophagy plays an important role in the containment of HIV-1 in nonprogressor-infected patients. Nardacci R, Amendola A, Ciccocanti F, Corazzari M, Esposito V, Vlassi C, Taibi C, Fimia GM, Del Nonno F, Ippolito G, D'Offizi G, **Piacentini M**. **Autophagy** 29;10(7).
232. Transglutaminase 2 ablation leads to mitophagy impairment associated with a metabolic shift towards aerobic glycolysis. Rossin F, D'Eletto M, Falasca L, Sepe S, Cocco S, Fimia GM, Campanella M, Mastroberardino PG, Farrace MG, **Piacentini M**. **Cell Death Differ**. 22(3):408-18.
233. Characterization of distinct sub-cellular location of transglutaminase type II: changes in intracellular distribution in physiological and pathological states. **Piacentini M**, D'Eletto M, Farrace MG, Rodolfo C, Del Nonno F, Ippolito G, Falasca L.. **Cell Tissue Research** 358(3):793-805.
234. Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Galluzzi L et al. **Cell Death Differ**. 22(1):58-73.
235. Oliverio S, Corazzari M, Sestito C, Piredda L, Ippolito G, **Piacentini M**. The spermidine analogue GC7 (N1-guanyl-1,7-diamineoheptane) induces autophagy through a mechanism not involving the hypusination of eIF5A. **Amino Acids** 46(12):2767-76.
236. Transglutaminase Type 2, Mitochondria and Huntington's Disease: Menage a trois. Altuntas S, D'Eletto M, Rossin F, Diaz Hidalgo L, Farrace MG, Falasca L, Piredda L, Cocco S, Mastroberardino PG, **Piacentini M**, Campanella M. **Mitochondrion**. 19 Pt A:97-104.
237. Oncogenic BRAF induces chronic ER stress condition resulting in increased basal autophagy and apoptotic resistance of cutaneous melanoma. Corazzari M, Rapino F, Ciccocanti F, Giglio P, Antonioli M, Conti B, Fimia GM, Lovat PE, **Piacentini M**. **Cell Death Differ**. 22(6):946-58.
238. AMBRA1 Interplay with Cullin E3 Ubiquitin Ligases Regulates Autophagy Dynamics. Antonioli M, Albiero F, Nazio F, Vescovo T, Perdomo AB, Corazzari M, Marsella C, Piselli P, Gretzmeier C, Dengjel J, Cecconi F, **Piacentini M**, Fimia GM. **Developmental Cell** 31(6):734-46.
239. Transglutaminase type 2: A multifunctional protein chaperone? Federica Rossin, Manuela D'Eletto, Maria Grazia Farrace Mauro Piacentini **Mol Cell Oncol** DOI:10.4161/23723548.2014.968506

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240. AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. Cianfanelli V, Fuoco C, Lorente M, Salazar M, Quondamatteo F, Gherardini PF, De Zio D, Nazio F, Antonioli M, D'Orazio M, Skobo T, Bordi M, Rohde M, Dalla Valle L, Helmer-Citterich M, Gretzmeier C, Dengjel J, Fimia GM, **Piacentini M**, Di Bartolomeo S, Velasco G, Cecconi F. **Nat Cell Biol**.17(1):20-30.
241. [Reticulon protein-1C is a key component of MAMs.](#) Reali V, Mehdawy B, Nardacci R, Filomeni G, Risuglia A, Rossin F, Antonioli M, Marsella C, Fimia GM, **Piacentini M**, Di Sano F. **Biochim Biophys Acta** 1853(3):733-45.
242. Down-regulation of E2F1 during ER stress is required to induce apoptosis.

- Pagliarini V, Giglio P, Bernardoni P, De Zio D, Fimia GM, Piacentini M, Corazzari M. **J Cell Science** 128(6):1166-79.
243. AMBRA1 is able to induce mitophagy via LC3 binding, regardless of PARKIN and p62/SQSTM1. Strappazzon F, Nazio F, Corrado M, Cianfanelli V, Romagnoli A, Fimia GM, Campello S, Nardacci R, **Piacentini M**, Campanella M, Cecconi F. **Cell Death Differ.** 22(3):517.
244. Autophagy in malignant transformation and cancer progression. Galluzzi L, Pietrocola F, Bravo-San Pedro JM, Amaravadi RK, Baehrecke EH, Cecconi F, Codogno P, Debnath J, Gewirtz DA, Karantza V, Kimmelman A, Kumar S, Levine B, Maiuri MC, Martin SJ, Penninger J, **Piacentini M**, Rubinsztein DC, Simon HU, Simonsen A, Thorburn AM, Velasco G, Ryan KM, Kroemer G. **EMBO J.** 34(7):856-80.
245. Interaction between AIF and CHCHD4 Regulates Respiratory Chain Biogenesis. Hangen E, Féraud O, Lachkar S, Mou H, Doti N, Fimia GM, Lam NV, Zhu C, Godin I, Muller K, Chatzi A, Nuebel E, Ciccocanti F, Flamant S, Bénit P, Perfettini JL, Sauvat A, Bennaceur-Griscelli A, Ser-Le Roux K, Gonin P, Tokatlidis K, Rustin P, **Piacentini M**, Ruvo M, Blomgren K, Kroemer G, Modjtahedi N. **Molecular Cell** 58(6):1001-14.
246. Molecular mechanisms of Ebola virus pathogenesis: focus on cell death. Falasca L, Agrati C, Petrosillo N, Di Caro A, Capobianchi MR, Ippolito G, **Piacentini M**. **Cell Death Differ.** 22(8):1250-9.
247. Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Galluzzi L, et al. **Cell Death Differ.** 22(1):58-73.
248. Fateful music from a talented orchestra with a wicked conductor: Connection between oncogenic BRAF, ER stress, and autophagy in human melanoma. Giglio P, Fimia GM, Lovat PE, Piacentini M, Corazzari M. **Mol Cell Oncol** 2, 3 No **Quartile**
249. Synchronic apoptosis signaling network induced by the HIV-1 envelope glycoprotein complex: an overview. Nardacci R, Perfettini JL, Grieco L, Thieffry D, Kroemer G, **Piacentini M**. **Cell Death Dis.** e1846. doi: 10.1038/cddis.
250. AMBRA1-regulated autophagy in vertebrate development. Antonioli M, Albiero F, Fimia GM, **Piacentini M**. **Inter J Dev Biol** 59(1-2-3):109-117.
251. AMBRA1 and SQSTM1 expression pattern in prostate cancer. Falasca L, Torino F, Marconi M, Costantini M, Pompeo V, Sentinelli S, De Salvo L, Patrizio M, Padula C, Gallucci M, **Piacentini M**, Malorni W. **Apoptosis** 20(12):1577-86.
252. Frustaci A, Ciccocanti F, Chimenti C, Nardacci R, Corazzari M, Verardo R, Ippolito G, Petrosillo N, Fimia GM, **Piacentini M**. Histological and proteomic profile of diabetic versus non-diabetic dilated cardiomyopathy. **Intern J Cardiol.** 203:282-289.
253. Altuntas S, Rossin F, Marsella C, D'Eletto M, Diaz Hidalgo L, Farrace MG, Campanella M, Antonioli M, Fimia GM, **Piacentini M**. The transglutaminase type 2 and pyruvate kinase isoenzyme M2 interplay in autophagy regulation. **Oncotarget** 6(42):44941-54.
254. De Felici M, **Piacentini M**. Programmed Cell death in Development and Tumors. **Int J Dev Biol.** 59(1-2-3):1-3.

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