

**CURRICULUM VITAE**  
**Prof. Anna Teresa Palamara**

Current positions

2003-to date	Full Professor of Microbiology at the Faculty of Medicine and Pharmacy, "Sapienza" University of Rome, Italy;
2005-to date	Member of the Scientific Board of the "Institute Pasteur Cenci Bolognetti" Foundation, Rome, Italy.
2010-to date	Director of the Microbiology Section at the Department of Public Health and Infectious Diseases of the "Sapienza", University of Rome, Italy;
2013-to date	President of the Italian Society of Microbiology;
2014-2018	President of Section III, National Health Council.

EDUCATION AND ACADEMIC CARREER:

1982	Medical degree "cum laude", Catholic University S. Cuore, Rome, Italy;
1985-1997	Department of Experimental Medicine and Biochemical Sciences, Microbiology Section, University of Rome "Tor Vergata", Italy;
1998-2001	Associate Professor of Microbiology, Medical School, University of Naples "Federico II", Italy;
2001-2003	Associate Professor of Microbiology, Faculty of Pharmacy, "Sapienza" University of Rome, Italy.

**MAIN RESEARCH INTERESTS**

- Study of virus-host cell interactions, with particular attention at the identification of intracellular factors involved in the control of viral replication and inflammatory response;
- Characterization of the role of microbial agents in the pathogenesis of chronic-degenerative diseases;
- Identification and characterization of new natural and synthetic compounds with antiviral activity;
- Study of the relationships between different microorganisms in the pathogenesis of mixed infections.

In the last years Anna Teresa Palamara has been coordinating as PI several projects including:

- PRIN 2015: "Persistent and latent viral infections: mechanisms controlling viral reactivation/replication and chronic/degenerative damages".
- Programma Operativo Nazionale (PON) 2011: "Sviluppo di molecole capaci di modulare vie metaboliche intracellulari redox-sensibili per la prevenzione e la cura di patologie infettive, tumorali, neurodegenerative e loro delivery mediante piattaforme nano tecnologiche".

Research group directed by prof. Palamara collaborates with prestigious National and International laboratories. In the contest of a collaborative project on HSV-1, in 2002, prof. Palamara worked as Visiting Professor at Infectious Disease Division of University of California, directed by prof. Fenyong Liu, in Berkeley.

#### BIBLIOMETRIC INDEXES:

H-Index: 32

Total Impact Factor: 455

Total number of citations: 3.490

#### RELEVANT PUBLICATIONS OF LAST 10 YEARS:

De Chiara G., Piacentini R., Fabiani M., Mastrodonato A., Marcocci M.E., Limongi D., Napoletani G., Protto V., Coluccio P., Celestino I., Li Puma D.D., Grassi C., Palamara A.T.

**Recurrent herpes simplex virus-1 infection induces hallmarks of neurodegeneration and cognitive deficits in mice**

*Plos Pathogens*, 2019, DOI: 10.1371/journal.ppat.1007617

Amatore D., Celestino I., Brundu S., Galluzzi L., Coluccio P., Checconi P., Magnani M., Palamara A. T., Fraternali A., Nencioni L.,

**Glutathione increase by the n-butanoyl glutathione derivative (GSH-C4) inhibits viral replication and induces a predominant Th1 immune profile in old mice infected with influenza virus**

*Faseb Journal*, 2019, DOI: 10.1096/fba.1041

Ambrosi C., Sarshar M., Aprea MR., Pompilio A., Di Bonaventura G., Strati F., Pronio A., Nicoletti M., Zagaglia C., Palamara AT., Scribano D.

**Colonic adenoma-associated Escherichia coli express specific phenotypes.**

*Microbes and Infection*, 2019, DOI: <https://doi.org/10.1016/j.micinf.2019.02.001>

Limongi D., Baldelli S., Checconi P., Marcocci ME., De Chiara G., Fraternali A., Magnani M., Ciriolo MR., Palamata AT.

**GSH-C4 Acts as Anti-inflammatory Drug in Different Models of Canonical and Cell Autonomous Inflammation Through NFκB Inhibition.**

*Frontiers in immunology*, 2019, DOI: [10.3389/fimmu.2019.00155](https://doi.org/10.3389/fimmu.2019.00155)

Anticoli S., Amatore D., Matarrese P., De Angelis M., Palamara A.T., Nencioni L., Ruggieri A.

**Counteraction of HCV-Induced Oxidative Stress Concurs to Establish Chronic Infection in Liver Cell Cultures**

*Oxidative Medicine and Cellular Longevity*, 2019,14 pages DOI: 10.1155/2019/6452390

Di Sotto A, Di Giacomo S, Amatore D, Locatelli M, Vitalone A, Toniolo C, Rotino GL, Lo Scalzo R, Palamara AT, Marcocci ME, Nencioni L

**A polyphenol rich extract from solanum melongena L. DR2 peel exhibits antioxidant properties and anti-herpes simplex virus type 1 activity in vitro.**

*Molecules*, 2018, 23 (8), DOI: 10.3390/molecules23082066.

Celestino I, Checconi P, Amatore D, De Angelis M, Coluccio P, Dattilo R, Alunni Fegatelli D, Clemente AM, Matarrese P, Torcia MG, Mancinelli R, Mammola CL, Garaci E, Vestri AR, Malorni W, Palamara AT, Nencioni L.

**Differential Redox State Contributes to Sex Disparities in the Response to Influenza Virus Infection in Male and Female Mice.**

*Frontiers in Immunology*, 2018, Vol. 9, Art. 1747, DOI: 10.3389/fimmu.2018.01747.

Di Sotto A, Checconi P, Ignacio C, Locatelli M, Carissimi S, De Angelis M, Rossi V, Limongi D, Toniolo C, Martinoli L, Di Giacomo S, Palamara AT, Nencioni L

**Antiviral and Antioxidant Activity of a Hydroalcoholic Extract from *Humulus lupulus* L.**

*Oxidative Medicine and Cellular Longevity*, 2018

Conte MP, Superti F, Moio M3, Ammendolia MG, Longhi C, Aleandri M, Marazzato M, Goldoni P, Parisi P, Borab Z, Palamara AT, Carlesimo B

**Bacterial biofilm associated with a case of capsular contracture.**

*New Microbiologica*, 2018, 41(2), 238-241, ISN 1121-7138

Marcocci ME, Amatore D, Villa S, Casciaro B, Aimola P, Franci G, Grieco P, Galdiero M, Palamara AT, Mangoni ML, Nencioni L.

**The amphibian antimicrobial peptide temporin B inhibits in vitro herpes simplex virus type 1 infection.**

*Antimicrobial Agents and Chemotherapy*, 2018, 62(5), pii: e02367-17, DOI: 10.1128/AAC.02367-17.

Prezioso C, Scribano D, Rodio DM, Ambrosi C, Trancassini M, Palamara AT, Pietropaolo V.

**COS-7-based model: methodological approach to study John Cunningham virus replication cycle.**

*Virology Journal*, 2018, 15(1):29. doi: 10.1186/s12985-018-0939-1.

131. Pica F, Gaziano R, Casalnuovo IA, Moroni G, Buè C, Limongi D, D'Agostini C, Tomino C, Perricone R, Palamara AT, Sinibaldi Vallebona P, Garaci E.

**Serum thymosin alpha 1 levels in normal and pathological conditions**

*Expert Opinion in Biomedical Therapy*. 2018, 18(sup1):13-21. DOI: 10.1080/14712598.2018.1474197.

Limongi D, Baldelli S, Santi F, D'Agostini C, Palamara AT, Nencioni L, Ciotti M.

**Redox alteration in patients infected by different HCV genotypes.**

*Le infezioni in medicina*. 2018, 26(3):249-254.

Bizzarri BM, Lorenzo Botta L, Eliana Capecchi E, Celestino I, Checconi P, Palamara AT, Nencioni L, Saladino R.

**Regioselective IBX-Mediated Synthesis of Coumarin Derivatives with Antioxidant and Anti-influenza Activities.**

*Journal of Natural Products*, 2017, 80, 3247-3254, DOI: 10.1021/acs.jnatprod.7b00665

Ambrosi C, Scribano D, Aleandri M, Zagaglia C, Di Francesco L, Putignani L, Palamara AT.

***Acinetobacter baumannii* Virulence Traits: A Comparative Study of a Novel Sequence Type with Other Italian Endemic International Clones.**

*Frontiers in Microbiology*, 2017, 8:1977, doi: 10.3389/fmicb.2017.01977

Diotallevi M, Checconi P, Palamara AT, Celestino I, Coppo L, Holmgren H, Abbas K, Peyrot F, Mengozzi M, Ghezzi P.

**Glutathione Fine-Tunes the Innate Immune Response toward Antiviral Pathways in a Macrophage Cell Line Independently of Its Antioxidant Properties.**

*Frontiers in Immunology*, 2017, 8:1239, doi.org/10.3389/fimmu.2017.01239

Sarshar M, Scribano D, Marazzato M, Ambrosi C, Aprea MR, Aleandri M, Pronio A, Longhi C, Nicoletti M, Zagaglia C, Palamara AT, Conte MP.

**Genetic diversity, phylogroup distribution and virulence gene profile of pks positive *Escherichia coli* colonizing human intestinal polyps.**

*Microbial Pathogenesis*, 2017, 112: 274-278, doi: 10.1016/j.micpath.2017.10.009.

Prezioso C, Scribano D, Bellizzi A, Anzivino E, Rodio DM, Trancassini M, Palamara AT, Pietropaolo V.

**Efficient propagation of archetype JC polyomavirus in COS-7 cells: evaluation of rearrangements within the NCCR structural organization after transfection.**

*Archives of Virology*, 2017, doi: 10.1007/s00705-017-3542-7.

124. Fabiani M, Limongi D, Palamara AT, De Chiara G, Marcocci ME.

**A Novel Method to Titrate Herpes Simplex Virus-1 (HSV-1) Using Laser-Based Scanning of Near-Infrared Fluorophores Conjugated Antibodies.**

*Frontiers in Microbiology*, 2017, 8:1085, doi: 10.3389/fmicb.2017.01085. eCollection 2017.

123. White MK, Bellizzi A, Ibba G, Pietropaolo V, Palamara AT, Wollebo HS.

**The DNA damage response promotes polyomavirus JC infection by nucleus to cytoplasm NF- $\kappa$ B activation.**

*Virology Journal*, 2017, 14(1):31. DOI: 10.1186/s12985-017-0707-7.

Scribano D, Damico R, Ambrosi C, Superti F, Marazzato M, Conte MP, Longhi C, palamara AT, Zagaglia C, Nicoletti M

**The *Shigella flexneri* OmpA amino acid residues <sup>188</sup>EVQ<sub>190</sub> are essential for the interaction with the virulence factor PhoN2**

*Biochemistry and Biophysics Reports*, 2016, 8: 168–173, DOI: org/10.1016/j.bbrep.2016.08.010

Ambrosi C, Aleandri M, Giordano A, Scribano D, Marazzato M, Zagaglia C, Conte MP, Palamara AT.

**Molecular characterisation of extensively drug-resistant *Acinetobacter baumannii*: First report of a new sequence type in Italy.**

*Journal of Global Antimicrobial Resistance* 2016, 7:154-156, DOI: 10.1016/j.jgar.2016.10.002.

De Chiara G, Racaniello M, Mollinari C, Marcocci ME, Aversa G, Cardinale A, Giovanetti A, Garaci E, Palamara AT, Merlo D

**Herpes Simplex Virus-Type1 (HSV-1) Impairs DNA Repair in Cortical Neurons.**

*Frontiers in Aging Neuroscience*, eCollection 2016, pages 8:242, DOI: 10.3389/fnagi.2016.00242.

Panella S, Marcocci ME, Celestino I, Valente S, Zwergel C, Li Puma DD, Nencioni L, Mai A, Palamara AT, Simonetti G

**MC1568 inhibits HDAC6/8 activity and influenza A virus replication in lung epithelial cells: role of Hsp90 acetylation.**

*Future Medicinal Chemistry*, 2016, Vol. 8, No. 17, pages 2017-2031, DOI:10.4155/fmc-2016-0073.

Conte MP, Aleandri M, Marazzato M, Conte AL, Ambrosi C, Nicoletti M, Zagaglia C, Gambara G, Palombi F, De Cesaris P, Ziparo E, Palamara AT, Riccioli A, Longhi C.

**The adherent/invasive Escherichia coli (AIEC) Strain LF82 Invades and Persists in Human Prostate Cell Line RWPE-1 Activating a Strong Inflammatory Response.**

*Infection and Immunity*, 2016, 84(11):3105-3113, DOI: 10.1128/IAI.00438-16.

Itzhaki RF, Lathe R, Balin BJ, Ball MJ, Bearer EL, Braak H, Bullido MJ, Carter C, Clerici M, Cosby SL, Del Tredici K, Field H, Fulop T, Grassi C, Griffin WS, Haas J, Hudson AP, Kamer AR, Kell DB, Licastro F, Letenneur L, Lövheim H, Mancuso R, Miklossy J, Lagunas CO, Palamara AT, Perry G, Preston C, Pretorius E, Strandberg T, Tabet N, Taylor-Robinson SD, Whittum-Hudson JA.

**Microbes and Alzheimer's Disease.**

*Journal of Alzheimer's Disease* 2016, 51(4):979-84. DOI: 10.3233/JAD-160152.

Di Pasquale P, Caterino M, Di Somma A, Squillace M, Rossi E, Landini P, Iebba V, Schippa S, Papa R, Selan L, Artini M, Palamara AT, Duilio A

**Exposure of E. coli to DNA-Methylating Agents Impairs Biofilm Formation and Invasion of Eukaryotic Cells via Down Regulation of the N-Acetylneuraminase Lyase NanA.**

*Frontiers in Microbiology*, eCollection 2016, 7:147, DOI : 10.3389/fmicb.2016.00147.

Brundu S, Nencioni L, Celestino I, Coluccio P, Palamara AT, Magnani M, Fraternali A.

**Validation of a Reversed-Phase High Performance Liquid Chromatography Method for the Simultaneous Analysis of Cysteine and Reduced Glutathione in Mouse Organs.**

*Oxidative Medicine and Cellular Longevity*, Epub 2016 1746985, 7 pages, DOI: 10.1155/2016/1746985.

Rodio MD, Anzivino E, Mischitelli M, Bellizzi A, Scrivo R, Scribano D, Conte G, Prezioso C, Trancassini M, Valesini G, Palamara AT, Pietropaolo V

**Increased Prevalence of Human Polyomavirus JC Viruria in Chronic Inflammatory Rheumatic Diseases Patients in Treatment with Anti-TNF  $\alpha$ : A 18 Month Follow-Up Study.**

*Frontiers in Microbiology*, eCollection 2016, Vol 7, 672, DOI:10.3389/fmicb.2016.00672.

Olagnier D, Amatore D, Castillo L, Ferrari M, Palermo E, Diamond M, Palamara AT, Hiscott J

**Dengue virus immunopathogenesis: lessons applicable to the emergence of**

## **Zika.**

*Journal of Molecular Biology* 2016, 428 (17) 3429-3448  
DOI:10.1016/j.jmb.2016.04.024.

Aleandri M, Conte MP, Simonetti G, Panella S, Celestino I, Checconi P, Marazzato M, Longhi C, Goldoni P, Nicoletti M, Barnich N, Palamara AT, Schippa S, Nencioni L.

**Influenza A virus infection of intestinal epithelial cells enhances the adhesion ability of Crohn's disease associated Escherichia coli strains.**

*PLoS One*, eCollection 2015, 10(2):e0117005, DOI:10.1371/journal.pone.0117005.

Piacentini R, Li Puma DD, Ripoli C, Marcocci ME, De Chiara G, Garaci E, Palamara AT, Grassi C.

**Herpes Simplex Virus type-1 infection induces synaptic dysfunction in cultured cortical neurons via GSK-3 activation and intraneuronal amyloid- $\beta$  protein accumulation.**

*Scientific Reports*, 2015, 5:15444, DOI: 10.1038/srep15444.

Botta G, Bizzarri BM, Garozzo A, Timpanaro R, Bisignano B, Amatore D, Palamara AT, Nencioni L, Saladino R.

**Carbon nanotubes supported tyrosinase in the synthesis of lipophilic hydroxytyrosol and dihydrocaffeoyl catechols with antiviral activity against DNA and RNA viruses.**

*Bioorganic & Medicinal Chemistry*, 2015, 23(17):5345-51, DOI:1016/j.bmc.2015.07.061.

Manvar D, Pelliccia S, La Regina G, Famigliani V, Coluccia A, Ruggeri A, Anticoli S, Lee J-C, Basu A, Cevik O, Nencioni L, Palamara A.T., Zamperini C, Botta M, Neyts J, Leyssen P, Kaushik-Basu N, Silvestri R.

**New 1-phenyl-5-(1 H -pyrrol-1-yl)-1 H -pyrazole-3-carboxamides inhibit hepatitis C virus replication via suppression of cyclooxygenase-2.**

*European Journal of Medicinal Chemistry*, 2015, 90: 497-506, DOI: 10.1016/j.ejmech.2014.11.042

Garaci E, Pica F, Matteucci C, Gaziano R, D'Agostini C, Miele MT, Camerini R, Palamara AT, Favalli C, Mastino A, Serafino A, Sinibaldi Vallebona P.

**Historical review on thymosin  $\alpha$ 1 in oncology: preclinical and clinical experiences.**

*Expert Opinion on Biological Therapy*, 2015, 15 Suppl 1:S31-39, DOI: 10.1517/14712598.2015.1017466.

Checconi P, Salzano S, Bowler L, Mullen L, Mengozzi M, Hanschmann EM, Lillig CH, Sgarbanti R, Panella S, Nencioni L, Palamara AT, Ghezzi P.

**Redox proteomics of the inflammatory secretome identifies a common set of redoxins and other glutathionylated proteins released in inflammation, influenza virus infection and oxidative stress.**

*PLoS One*, eCollection 2015, 10(5):e0127086. DOI: 10.1371/journal.pone.0127086.

Shytaj IL, Nickel G, Arts E, Farrell N, Biffoni M, Pal R, Chung HK, LaBranche C, Montefiori D, Vargas-Inchaustegui D, Robert-Guroff M, Lewis MG, Sacha JB, Palamara AT, Savarino A.

**Two-year Follow-up of Macaques Developing Intermittent Control of the HIV Homolog SIVmac251 in the Chronic Phase of the Infection.**

*Journal of Virology*, 2015 89(15):7521-35, DOI: 10.1128/JVI.00396-15.

Pietro Paolo V, Bellizzi A, Anzivino E, Iannetta M, Zingaropoli MA, Rodio DM, Morreale M, Pontecorvo S, Francia A, Vullo V, Palamara AT, Ciardi MR.

**Human polyomavirus JC replication and non-coding control region analysis in multiple sclerosis patients under natalizumab treatment.**

*Journal of Neurovirology*, 2015, 21(6):653-65, DOI: 10.1007/s13365-015-0338-y.

Civitelli L, Marcocci ME, Celestino I, Piacentini R, Garaci E, Grassi C, De Chiara G, Palamara AT.

**Herpes simplex virus type 1 infection in neurons leads to production and nuclear localization of APP intracellular domain (AICD): implications for Alzheimer's disease pathogenesis.**

*Journal of Neurovirology*, 2015, 21(5):480-90, DOI: 10.1007/s13365-015-0344-0.

Amatore D, Sgarbanti R, Aquilano K, Baldelli S, Limongi D, Civitelli L, Nencioni L, Garaci E, Ciriolo MR, Palamara AT.

**Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS.**

*Cellular Microbiology*, 2015, 17(1):131-45, DOI: 10.1111/cmi.12343.

Sgarbanti R, Amatore D, Celestino I, Marcocci ME, Fraternali A, Ciriolo MR, Magnani M, Saladino R, Garaci E, Palamara AT, Nencioni L.

**Intracellular redox state as target for anti-influenza therapy: are antioxidants always effective?**

*Current Topics in Medicinal Chemistry*, 2014;14(22):2529-41, DOI: 10.2174/1568026614666141203125211.

Conte MP, Longhi C, Marazzato M, Conte AL, Aleandri M, Lepanto MS, Zagaglia C, Nicoletti M, Aloï M, Totino V, Palamara AT, Schippa S.

**Adherent-invasive Escherichia coli (AIEC) in pediatric Crohn's disease patients: phenotypic and genetic pathogenic features.**

*BioMed Central Research Notes*, 2014, 7:748, DOI: 10.1186/1756-0500-7-748.

Moraca F, De Vita D, Pandolfi F, Di Santo R, Costi R, Cirilli R, D'Auria FD, Panella S, Palamara AT, Simonetti G, Botta M, Scipione L

**Synthesis biological evaluation and structure-activity correlation study of a series of imidazol-based compounds as Candida albicans inhibitors.**

*European Journal of Medicinal Chemistry*, 2014, 83:665-73, DOI: 10.1016/j.ejmech.2014.07.001.

Maras B, Angiolella L, Mignogna G, Vavala E, Maccone A, Colone M, Pitari G, Stringaro A, Dupré S, Palamara AT.

**Glutathione metabolism in Candida albicans resistant strains to fluconazole and micafungin.**

PLoS One, 2014, 9(6):e98387, DOI: 10.1371/journal.pone.0098387.

Simonetti G, Santamaria AR, D'Auria FD, Mulinacci N, Innocenti M, Cecchini F, Pericolini E, Gabrielli E, Panella S, Antonacci D, Palamara AT, Vecchiarelli A, Pasqua G.

**Evaluation of anti-candida activity of *Vitis vinifera* L. seed extracts obtained from wine and table cultivars.**

*Biomed Research International*, 2014; 2014:127021, DOI: 10.1155/2014/127021.

Piacentini R, De Chiara G, Li Puma DD, Ripoli C, Marcocci ME, Garaci E, Palamara AT, Grassi C.

**HSV-1 and Alzheimer's disease: more than a hypothesis.**

*Frontiers in Pharmacology*, eCollection 2014, 5:97, DOI: 10.3389/fphar.2014.00097.

Civitelli, L., Panella, S., Marcocci, M.E., De Petris, A., Garzoli, S., Pepi, F., Vavala, E., Ragno, R., Nencioni, L., Palamara, A.T., Angiolella, L.

**In vitro inhibition of herpes simplex virus type 1 replication by *Mentha suaveolens* essential oil and its main component piperitenone oxide.**

*Phytomedicine*, 2014, 21(6):857-65, DOI: 10.1016/j.phymed.2014.01.013.

De Vita D, Friggeri L, D'Auria FD, Pandolfi F, Piccoli F, Panella S, Palamara AT, Simonetti G, Scipione L, Di Santo R, Costi R, Tortorella S.

**Activity of caffeic acid derivatives against *Candida albicans* biofilm.**

*Bioorganic & Medicinal Chemistry Letters*, 2014, 24(6):1502-5. DOI: 10.1016/j.bmcl.2014.02.005.

Shytaj IL, Chirullo B, Wagner W, Ferrari MG, Sgarbanti R, Corte AD, Labranche C, Lopalco L, Palamara AT, Montefiori D, Lewis MG, Garaci E, Savarino A.

**Investigational treatment suspension and enhanced cell-mediated immunity at rebound followed by drug-free remission of simian AIDS.**

*Retrovirology*, 2013, 10:71, DOI: 10.1186/1742-4690-10-71.

Tocci N, D'Auria FD, Simonetti G, Panella S, Palamara AT, Debrassi A, Rodrigues CA, Filho VC, Sciubba F, Pasqua G.

**Bioassay-guided fractionation of extracts from *Hypericum perforatum* in vitro roots treated with carboxymethylchitosans and determination of antifungal activity against human fungal pathogens.**

*Plant Physiology and Biochemistry*, 2013, 70:342-7. doi: 10.1016/j.plaphy.2013.05.046.

Bellizzi A, Anzivino E, Rodio DM, Palamara AT, Nencioni L, Pietropaolo V.

**New Insights on Human Polyomavirus JC and Pathogenesis of Progressive Multifocal Leukoencephalopathy.**

*Clinical and Developmental Immunology*, 2013, 2013:839719, DOI: 10.1155/2013/839719.

Fraternale A, Crinelli R, Casabianca A, Paoletti MF, Orlandi C, Carloni E, Smietana M, Palamara AT, Magnani M.

**Molecules Altering the Intracellular Thiol Content Modulate NF- $\kappa$ B and STAT-1/IRF-1 Signalling Pathways and IL-12 p40 and IL-27 p28 Production in Murine Macrophages.**

*PLoS One*, 2013, 8(3):e57866, DOI: 10.1371/journal.pone.0057866.



Ruggieri A, Anticoli S, Nencioni L, Sgarbanti R, Garaci E, Palamara AT.

**Interplay between Hepatitis C Virus and Redox Cell Signaling.**

*International Journal of Molecular Sciences*, 2013, 14(3):4705-21, DOI: 10.3390/ijms14034705.

Checconi P, Sgarbanti R, Celestino I, Limongi D, Amatore D, Iuvara A, Alimonti A, Garaci E, Palamara AT, Nencioni L.

**The Environmental Pollutant Cadmium Promotes Influenza Virus Replication in MDCK Cells by Altering Their Redox State.**

*International Journal of Molecular Sciences*, 2013, 14(2):4148-62, DOI: 10.3390/ijms14024148.

Saladino S, Neri V, Checconi P, Celestino I, Nencioni L, Palamara AT, Crucianelli M.

**Synthesis of 2'-Deoxy-1'-homo-N-nucleosides with Anti-Influenza Activity by Catalytic Methyltrioxorhenium (MTO)/H<sub>2</sub>O<sub>2</sub> Oxyfunctionalization.**

*Chemistry a european journal*, 2013, 19(7):2392-404, DOI: 10.1002/chem.201201285.

Chirullo B, Sgarbanti R, Limongi D, Shytaj IL, Alvarez D, Das B, Boe A, Dafonseca S, Chomont N, Liotta L, Iii Petricoin E, Norelli S, Pelosi E, Garaci E, Savarino A, Palamara AT.

**A candidate anti-HIV reservoir compound, auranofin, exerts a selective 'anti-memory' effect by exploiting the baseline oxidative status of lymphocytes.**

*Cell Death and Disease*, 2013, 4:e944, DOI: 10.1038/cddis.2013.473.

Bozzini T, Botta G, Delfino M, Onofri S, Saladino R, Amatore D, Sgarbanti R, Nencioni L, Palamara AT.

**Tyrosinase and Layer-by-Layer supported tyrosinases in the synthesis of lipophilic catechols with antiinfluenza activity.**

*Bioorganic and Medicinal Chemistry*, 2013, 21(24):7699-708, DOI: 10.1016/j.bmc.2013.10.026.

Bellizzi A, Anzivino E, Rodio DM, Cioccolo S, Scrivo R, Morreale M, Pontecorvo S, Ferrari F, Di Nardo G, Nencioni L, Carluccio S, Valesini G, Francia A, Cucchiara S, Palamara AT, Pietropaolo V.

**Human Polyomavirus JC monitoring and noncoding control region analysis in dynamic cohorts of individuals affected by immune-mediated diseases under treatment with biologics: an observational study.**

*Virology Journal*, 2013, 10:298, DOI:10.1186/1743-422X-10-298.

N. Tocci, G. Simonetti, F. D. D'Auria, S. Panella, A. T. Palamara, F. Ferrari, Pasqua G. **Chemical composition and antifungal activity of *Hypericum perforatum* subsp. *angustifolium* roots from wild plants and plants grown under controlled conditions.**

*Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*, 2013, 147:3, 557-562, DOI: 10.1080/11263504.2013.806964.

Scarpi D, Cirelli D, Matrone C, Castronovo G, Rosini P, Occhiato EG, Romano F, Bartali L, Clemente AM, Bottegoni G, Cavalli A, De Chiara G, Bonini P, Calissano P, Palamara AT, Garaci E, Torcia MG, Guarna A, Cozzolino F.

**Low molecular weight, non-peptidic agonists of TrkA receptor with NGF-mimetic activity.**

*Cell Death & Disease*, 2012, 3:e389, DOI: 10.1038/cddis.2012.129.

De Chiara G, Marcocci ME, Sgarbanti R, Civitelli L, Ripoli C, Piacentini R, Garaci E, Grassi C, Palamara AT.

**Infectious agents and neurodegeneration.**

*Molecular Neurobiology*, 2012, 46(3):614-38, DOI: 10.1007/s12035-012-8320-7.

81. Torcia MG, Nencioni L, Clemente AM, Civitelli L, Celestino I, Limongi D, Fadigati G, Perissi E, Cozzolino F, Garaci E, Palamara AT.

**Sex differences in the response to viral infections: TLR8 and TLR9 ligand stimulation induce higher IL10 production in males.**

*PLoS One*, 2012, 7(6):e39853, DOI: 10.1371/journal.pone.0039853.

Fioravanti R, Celestino I, Costi R, Cuzzucoli Crucitti G, Pescatori L, Mattiello L, Novellino E, *Checconi* P, Palamara AT, Nencioni L, Di Santo R.

**Effects of polyphenol compounds on influenza A virus replication and definition of their mechanism of action.**

*Bioorganic & Medicinal Chemistry*, 2012, 20(16):5046-52, DOI: 10.1016/j.bmc.2012.05.062.

Tocci N, D'Auria FD, Simonetti G, Panella S, Palamara AT, Pasqua G.

**A three-step culture system to increase the xanthone production and antifungal activity of *Hypericum perforatum* subsp. *angustifolium* in vitro roots.**

*Plant Physiology and Biochemistry*, 2012, 57:54-58, DOI: 10.1016/j.plaphy.2012.04.014.

De Vita D, Scipione L, Tortorella S, Mellini P, Di Rienzo B, Simonetti G, D'Auria FD, Panella S, Cirilli R, Di Santo R, Palamara AT.

**Synthesis and antifungal activity of a new series of 2-(1H-imidazol-1-yl)-1-phenylethanol derivatives.**

*European Journal of Medicinal Chemistry*, 2012, 49: 336-42. DOI: 10.1016/j.ejmech.2012.01.034.

Fraternale A, Paoletti MF, Dominici S, Buondelmonte C, Caputo A, Castaldello A, Tripiciano A, Cafaro A, Palamara AT, Sgarbanti R, Garaci E, Ensoli B, Magnani M.

**Modulation of Th1/Th2 immune responses to HIV-1 Tat by new pro-GSH molecules.**

*Vaccine*, 2011, 29: 6823-6829, DOI: 10.1016/j.vaccine.2011.07.101.

Nencioni L, Sgarbanti R, Amatore A, Limongi D, Anticoli S, Palamara AT, Garaci E.

**Intracellular Redox signaling as therapeutic target for novel antiviral strategy.**

*Current Pharmaceutical Design*, 2011, 17(35): 3898-904, DOI: 10.2174/138161211798357728.

Tocci N, Simonetti G, D'Auria FD, Panella S, Palamara AT, Valletta A, Pasqua G.

**Root cultures of *Hypericum perforatum* subsp. *angustifolium* elicited with chitosan and production of xanthone-rich extracts with antifungal activity.**

*Applied Microbiology Biotechnology*, 2011, 91: 977-987, DOI:10.1007/s00253-011-3303-6.

Lewis MG, Dafonseca S, Chomont N, Palamara AT, Tardugno M, Mai A, Collins M, Wagner WL, Yalley-Ogunro J, Greenhouse J, Chirullo B, Norelli S, Garaci E, Savarino A.

**Gold drug auranofin restricts the viral reservoir in the monkey AIDS model and induces containment of viral load following ART suspension.**

*AIDS*, 2011, 25(11): 1347-56, DOI: 10.1097/QAD.0b013e328347bd77.

Sgarbanti R, Nencioni L, Amatore D, Coluccio P, Fraternali A, Sale P, Mammola CL, Carpino G, Gaudio E, Magnani M, Ciriolo MR, Garaci E, Palamara AT.

**Redox-regulation of the influenza hemagglutinin maturation process: a new cell-mediated strategy for anti-influenza therapy.**

*Antioxidants & Redox Signaling*, 2011, 15(3): 593-606, DOI: 10.1089/ars.2010.3512.

72. Matarrese P, Nencioni L, Checconi P, Ciarlo L, Gambardella L, Ascione B, Sgarbanti R, Garaci E, Malorni W, Palamara AT.

**Pepstatin A alters host cell autophagic machinery and leads to the decrease of influenza A virus production.**

*Journal of Cellular Physiology*, 2011, 226(12):3368-77, DOI: 10.1002/jcp.22696.

Passariello C, Nencioni L, Sgarbanti R, Ranieri D, Torrisi MR, Ripa S, Garaci E, Palamara AT.

**Viral hemagglutinin is involved in promoting the internalisation of Staphylococcus aureus into human pneumocytes during influenza A H1N1 virus infection.**

*International Journal of Medical Microbiology*, 2011, 301(2): 97-104, DOI: 10.1016/j.ijmm.2010.06.008.

De Chiara G, Marcocci ME, Civitelli L, Argnani R, Piacentini R, Ripoli C, Manservigi R, Grassi C, Garaci E, Palamara AT.

**APP processing induced by herpes simplex virus type 1 (HSV-1) yields several APP fragments in human and rat neuronal cells.**

*PLoS One*, 2010, 5(11): e13989, DOI: 10.1371/journal.pone.0013989.

Saladino R, Barontini M, Crucianelli M, Nencioni L, Sgarbanti R, Palamara AT.

**Current advances in Anti-influenza Therapy.**

*Current Medicinal Chemistry*, 2010, 17: 2101-2140, DOI: 10.2174/092986710791299957.

Matteucci C, Minutolo A, Sinibaldi-Vallebona P, Palamara AT, Rasi G, Mastino A, Garaci E.

**Transcription profile of human lymphocytes following in vitro treatment with thymosin alpha-1.**

*Annals of the New York Academy of Sciences*, 2010, 1194:6-19. DOI: 10.1111/j.1749-6632.2010.05484.x.

Piacentini R, Civitelli L, Ripoli C, Marcocci ME, De Chiara G, Garaci E, Azzena GB, Palamara AT, Grassi C.

**HSV-1 promotes Ca(2+)-mediated APP phosphorylation and Abeta accumulation in rat cortical neurons.**

*Neurobiology of Aging*, 2010, 32(12): 2323.e13-26, DOI: 10.1016/j.neurobiolaging.2010.06.009.

Nencioni L, De Chiara G, Sgarbanti R, Amatore D, Marcocci ME, Serafino A, Torcia M, Cozzolino F, Aquilano K, Ciriolo MR, Garaci E, Palamara AT.

**Bcl-2 expression and p38MAPK activity in cells infected with influenza A virus: impact on virally induced apoptosis and viral replication.**

*Journal of Biological Chemistry*, 2009, 284: (23) 16004-16015, DOI: 10.1074/jbc.M900146200.

Savarino A, Mai A, Norelli S, El Daker S, Valente S, Rotili D, Altucci L, Palamara AT, Garaci E.

**"Shock and kill" effects of class I-selective histone deacetylase inhibitors in combination with the glutathione synthesis inhibitor buthionine sulfoximine in cell line models for HIV-1 quiescence.**

*Retrovirology*, 2009, 6:52, DOI: 10.1186/1742-4690-6-52.

Rotili D, Simonetti G, Savarino A, Palamara AT, Migliaccio AR, Mai A.

**Non-cancer uses of histone de acetylase inhibitors: effects on infectious diseases and beta-hemoglobinopathies.**

*Current Topics Medicinal Chemistry*, 2009, 9: 272-291, DOI: [10.2174/156802609788085296](https://doi.org/10.2174/156802609788085296).

Angiolella L, Vitali A, Stringaro A, Mignogna G, Maras B, Bonito M, Colone M, Palamara AT, Cassone A. **Localisation of Bgl2p upon antifungal drug treatment in *Candida albicans*.**

*International Journal of Antimicrobial Agents*, 2009, 33: 143-148, DOI: 10.1016/j.ijantimicag.2008.08.021.

Passariello C, Palamara AT, Garaci E, Pasquantonio G.

**Herpesviruses and periodontal disease: a cautionary tale.**

*International Journal of Immunopathology and Pharmacology*, 2009, 22 (2): 263-268, DOI: 10.1177/039463200902200202.

Artini M, Papa R, Scoarughi G, Catalano C, Palamara AT, Passariello C, Selan L.

**In vitro detection of herpes simplex virus -1 and -2 infection with immunospecific GD3+-CL6-enhanced magnetic resonance imaging.**

*International Journal of Immunopathology and Pharmacology*, 2009, 22: 145-151

Fraternale A, Paoletti MF, Casabianca A, Nencioni L, Garaci E, Palamara AT, Magnani M.

**GSH and analogs in antiviral therapy.**

*Molecular Aspects of Medicine*, 2009, 30(1-2):99-110, DOI: 10.1016/j.mam.2008.09.001.

Vavala E, Ragno R, Ivric S, Sartorelli G, Filippi A, Palamara AT, Angiolella L.

**Antimycotic activity of *Achillea ageratum* L. essential oil.**

*International Journal of Essential Oil Therapeutics*, 2009, 3:101-105.

Conti G, Magliani W, Conti S, Nencioni L, Sgarbanti R, Palamara AT, Polonelli L.

**Therapeutic activity of an anti-idiotypic antibody-derived killer peptide against influenza A virus experimental infection.**

*Antimicrobial Agents and Chemotherapy*, 2008, 52 (12): 4331-4337, DOI: 10.1128/AAC.00506-08.

Angiolella L, Stringaro AR, De Bernardis F, Posteraro B, Bonito M, Toccaceli L, Torosantucci A, Colone M, Sanguinetti M, Cassone A, Palamara AT.

**Increase of virulence and its phenotypic traits in drug-resistant strains of *Candida Albicans*.**

*Antimicrobial Agents and Chemotherapy*, 2008, 52 (3): 927-936, DOI: 10.1128/AAC.01223-07.

Saladino R, Neri V, Farina A, Crestini C, Nencioni L, Palamara AT.

**A Novel and Efficient Synthesis of Tocopherol Quinones by Homogeneous and Heterogeneous Methyltrioxorhenium/Hydrogen Peroxide Catalytic Systems.**

*Advanced Synthesis & Catalysis*, 2008, 350 (2): 321-331, DOI: 10.1002/adsc.200700340.

La Regina G, D'Auria FD, Tafi A, Piscitelli F, Olla S, Caporuscio F, Nencioni L, Cirilli R, La Torre F, De Melo NR, Kelly SL, Lamb DC, Artico M, Botta M, Palamara AT, Silvestri R.

**1-[(3-Aryloxy-3-aryl)propyl]-1H-imidazoles, New Imidazoles with Potent Activity against *Candida albicans* and Dermatophytes. Synthesis, Structure-Activity Relationship, and Molecular Modeling Studies.**

*Journal of Medicinal Chemistry*, 2008, 51(13): 3841-3855, DOI: 10.1021/jm800009r.

Di Santo R, Costi R, Roux A, Miele G, Cuzzucoli Crucitti G, Iacovo A, Rosi F, Lavecchia A, Marinelli L, Di Giovanni C, Novellino E, Palmisano L, Andreotti M, Amici R, Galluzzo C, Nencioni L, Palamara AT, Pommier Y, Marchand C.

**Novel Quinolinonyl Diketo Acid Derivatives as HIV-1 Integrase Inhibitors: Design, Synthesis, and Biological Activities.**

*Journal of Medicinal Chemistry*, 2008, 51 (15): 4744-4750, DOI: 10.1021/jm8001422.

Saladino R, Farina A, Crestini C, Gualandi G, Nencioni L, Palamara AT.

**Advances and Challenges in the synthesis of highly oxidised natural phenols with antiviral, antioxidant and cytotoxic activities.**

*Current Medicinal Chemistry*, 2008, 15(15):1500-1519, DOI: 10.2174/092986708784638889.