

ALL. B

Decreto Rettore Università di Roma “Sapienza” n. 1918/2023 del 19/7/23

LUCIA NENCIONI*Curriculum vitae et studiorum*Rome, 28th July 2023**Part I – General Information**

| | |
|-----------|----------------|
| Full Name | Lucia Nencioni |
|-----------|----------------|

Part II- Education

| Type | Year | Institution | Notes |
|-----------------------|----------------------------------|---|--|
| University Graduation | 26 th April 1993 | University of Florence, Molecular Biology Lab, Institute of General Pathology | Master’s Degree in Biological Sciences Title of the thesis: "Approccio molecolare alla biocompatibilità: la trasduzione del segnale nel paziente emodializzato" (Supervisor Prof. Vincenzo Chiarugi) |
| Post-graduate studies | 1994 (10 months) | University of Florence, Department of Clinical Physiopathology | Fellowship by “Associazione Fiorentina per lo studio dei meccanismi immunologici”. Title of the project “Purificazione di un fattore autocrino di crescita per le cellule di mieloma multiplo” |
| | 8/5/1995 - 31/12/1995 (8 months) | University of Florence, Department of Clinical Physiopathology | Professional collaboration on the project “Purification of an autocrine growth factor in myeloma cells” |
| | 25/3/1996 - 1/9/1996 (5 months) | University of Florence, Department of Clinical Physiopathology | Professional collaboration on the project “Purification of an autocrine growth factor in myeloma cells” |

| | | | |
|----------------------------|----------------------------|---|--|
| Pre-PhD training | 1997 (10 months) | National Research Council (CNR), Structure and Function of Cellular Receptors Lab, Institute of Experimental Medicine, Rome | Fellowship by Istituto per lo Sviluppo e la Promozione delle Scienze Biomediche e Sociali. Title of the project: "Messa a punto dell'apparecchiatura BIACORE per lo screening di <i>libraries</i> combinatoriali di peptidi per l'individuazione di antagonisti recettoriali delle citochine" |
| | 2000 (4 months) | National Research Council (CNR), Structure and Function of Cellular Receptors Lab, Institute of Experimental Medicine, Rome | Professional collaboration entitled "Caratterizzazione molecolare delle vie di degradazione di Bcl-2 in linfociti B di memoria" |
| PhD | PhD student 1997 - 2001 | University of Rome "Tor Vergata", Microbiology Section, Faculty of Medicine | PhD in Neuroscience (27/05/2002) Title of the thesis "Ruolo dell'interazione Bcl-2/GSH nel controllo della replicazione del virus influenzale A in cellule di neuroblastoma" (Supervisor Prof. Enrico Garaci) |
| Post-PhD training | 11-13/02/2003 | Becton Dickinson (Milan) | Training course on Flow Cytometry and use of FACSCan/FACSCalibur instrument |
| Professional qualification | 1993 - 1994 (1 year) | University of Florence, Institute of General Pathology | Practical training for the Qualification to the profession of Biologist obtained on December 1994 |

Part III - Appointments

IIIA – Academic Appointments

| Start | End | Institution | Position | Research Programme |
|-------|-----|-------------|----------|--------------------|
|-------|-----|-------------|----------|--------------------|

| | | | | |
|------------|------------|---|---|--|
| 2002 | 2003 | University of Rome "Tor Vergata", Microbiology Section, Faculty of Medicine, Department of Experimental Medicine and Biochemical Sciences | Post-doctoral Position (1 year) SSD MED/07 | Signal transduction of cell death and viral infection (Tutor Prof. Enrico Garaci) |
| 1/3/2003 | 28/2/2005 | University of Rome Sapienza, Faculty of Pharmacy, Institute of di Microbiology | Post-doctoral Position (2 years) SSD MED/07 | Role of intracellular molecular signalling in controlling viral replication (Tutor Prof. Anna Teresa Palamara) |
| 1/3/2005 | 31/10/2006 | University of Rome Sapienza, Faculty of Pharmacy, Institute of di Microbiology | Post-doctoral Position (20 months) SSD MED/07 | Role of intracellular molecular signalling in controlling viral replication (Tutor Prof. Anna Teresa Palamara) |
| 1/11/2006 | 31/10/2009 | University of Rome Sapienza, Faculty of Pharmacy | Assistant Professor of Microbiology and Clinical Microbiology (not confirmed), SSD MED/07 | |
| 1/11/2009 | 29/10/2015 | University of Rome Sapienza, Faculty of Pharmacy and Medicine, Department of Public Health and Infectious Diseases | Assistant Professor of Microbiology and Clinical Microbiology , SSD MED/07 | |
| 06/02/2014 | 06/02/2020 | | ASN - National Scientific Qualification for the role of Associate Professor in Microbiology and Clinical Microbiology (SSD MED 07) | Call 2012, DD n. 222/2012 |

| | | | | |
|------------|------------|--|---|--|
| 30/10/2015 | Today | University of Rome Sapienza, Faculty of Pharmacy and Medicine, Department of Public Health and Infectious Diseases | Associate Professor in Microbiology and Clinical Microbiology SC 06/A3 SSD MED/07 | |
| 20/06/2017 | 31/07/2017 | Queens College of City University of New York, Department of Biology, NYC, USA | Visiting Professor at Molecular Biology Lab, Prof.ssa Zahra Zakeri | |
| 20/03/2018 | 20/03/2029 | | ASN - National Scientific Qualification for the role of Full Professor in Microbiology and Clinical Microbiology SC 06/A3 SSD MED 07 | D.M. n. 120 7/6/2016; Decreto-legge n. 198 29/12/2022 |

IIIB – Other Appointments

| Academic appointments for teaching purposes | |
|--|---|
| 3-28/7/2023 (39° cycle) | President of the Examination Board for the admission to PhD in Life Sciences , Sapienza University of Rome (Decree n. 1661/2023 Prot. 0059973, 28/6/2023) |
| 01/2012 - today | Member of the Teaching board of PhD in Life Sciences , Sapienza University of Rome |
| 19/05/2023 - today | Member of the Teaching Board of National PhD in Innovation in the diagnosis, prevention and treatment of infections at epidemic-pandemic risk (coordination University of Siena) |
| 2009 - today | Member of the Teaching Committee of Master Degree in Pharmaceutical Chemistry and Technology (CTF) |
| 21/03/2014 - today | Member of the Quality Committee of Master Degree in CTF |
| 2014 - today | Participation as reference teacher at the event “Porte Aperte alla Sapienza” for courses of Pharmacy and CTF (Master or Bachelor degrees) |
| 2019 - 2021 | Included in the Disciplinary Experts Register of the Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR) |
| 19-29/09/2017 (33° cycle) | Member of the Examination Board for the admission to PhD in Life Sciences |
| 01/2007 - 31/12/2011 | Member of the Teaching Board of PhD in Public Health Sciences and Microbiology |

| | |
|------------|--|
| 07/09/2012 | President of “commissione vigilanza d’aula” for the admission to Degree Course in Applied Pharmaceutical Sciences (D.R. 2947 of 31/08/2012) |
|------------|--|

| Academic appointments for scientific purposes | |
|--|--|
| 2022 - 2025 | Coordinator of Microbiology Section , Department of Public Health and Infectious Diseases |
| 04/2011 - 10/2022 | Member of Research Committee , Microbiology Section, Department of Public Health and Infectious Diseases |
| 06/2012 - 10/2022 | Member of Funds Committee , Microbiology Section, Department of Public Health and Infectious Diseases |
| 01/2012 - today | Registered in REPRISE for the evaluation of MIUR programs |
| 09/2012 - 07/2013 | Referee for ANVUR (VQR 2004-2010 - GEV 06) |
| 21/12/2007 - 12/2010 | President of Research Committee of the Department Public Health Sciences “G. Sanarelli”, Sapienza University of Rome |
| 2011 - today | Member of the Examination Board for Contract Researchers, Full Time or Fixed-Term Researchers and Associate Professors of Microbiology and Clinical Microbiology SSD MED/07 |

Organization of Scientific Events:

| | |
|---------------------|---|
| Rome, 23-24/06/2023 | Member of the Organizing Committee and of the Scientific Committee of Italian Society of Pharmaceutical Microbiology (SIMIF ets) Congress. Congress programme link: https://nadirex.org/wp-content/uploads/2023/03/SIMIF.2324giugno.progr_.pdf |
| Rome, 17/5/2018 | Chair of Session 1 “Infectious diseases, microbiology and parasitology” at IX Seminar - PhD Day. Filling the science communication gap. Istituto Superiore di Sanità. |
| Rome, 20-21/01/2009 | Member of the Organizing Committee of the Scientific day of Department of Public Health Sciences, Sapienza University. |
| Rome, 19/10/2006 | Participation to the Organization of workshop on "Avian influenza and pandemic risk", Istituto Superiore di Sanità. |

Third mission events:

| | |
|-----------|---|
| 2/12/2023 | <u>Lifelong learning and open education:</u> Member of Organizing Committee of a training course entitled “Informazione agli operatori per il corretto utilizzo e approvvigionamento dei disinfettanti da impiegarsi in ambito sanitario e ospedaliero”. Rome, Sapienza University |
|-----------|---|

| | |
|------------|--|
| 17/02/2023 | <p><u>Public engagement activity:</u> Public dissemination of results obtained in collaboration with the University of Urbino on molecule effective against SARS-CoV-2 replication. Prof Nencioni has contributed to the drafting of the press release published in various local newspapers; she also released an interview for the University of Urbino blog and published online at: - Ateneo blog: https://uniamo.uniurb.it/nuove-molecole-contro-sars-cov-2-lo-studio-di-uniurb Uniurb social network: https://www.facebook.com/uniurbit https://it.linkedin.com/school/uniurbit https://www.instagram.com/uniurbit</p> |
| 15/10/2020 | <p><u>Public engagement activity:</u> Participation at “A porte aperte” television program on Tele Universo (a local television broadcasting in the Lazio region) on COVID-19 field, link https://youtu.be/Nnbyu2TneUs. The talk was aimed at updating on the search for vaccines against SARS-CoV-2 pandemic. The TV program has been disclosed on various social networks.</p> |

Part IV – Teaching experience

Since 2006 Prof. Lucia Nencioni has taught courses congruent with SSD MED/07 in various Master's and Bachelor's Degree courses at the Faculty of Pharmacy and Medicine, Faculty of Medicine and Psychology, Faculty of Medicine and Dentistry, Sapienza University of Rome.

In the period 2002 - 2021 she carried out supplementary teaching activities (lessons, practical exercises, member of the examination committee) within the Microbiology course for students of the 2nd year of the Degree Course in Chemistry and Pharmaceutical Technologies (CTF). She has also carried out supplementary teaching activities for the School of Specialization in Hospital Pharmacy and elective teaching activities (ADE) of 1 CFU for the Nursing Study Course.

She had a teaching assignment for the II-level Master in Molecular Virology, Sapienza University of Rome, on the topic "Influenza viruses vs parainfluenza viruses" (a.a. 2020 - 2021; 2021 - 2022).

In detail, the teaching activity includes:

| Year | Institution | Course | CFU |
|--------------------------|---|--|-------|
| a.a. 2018 - 2019 - today | Master's Degree Course in Medicine and Surgery, 2nd year Faculty of Medicine and Psychology, Sant'Andrea Hospital | Virology module within the Microbiology course | 3 CFU |
| a.a. 2021 - 2022 - today | Master's degree course in CTF, 2nd year, Faculty of Pharmacy and Medicine | Microbiology | 6 CFU |

| | | | |
|--|---|--|-------|
| a.a. 2012 - 2013 - today | Master's degree course in CTF, 4th year, Faculty of Pharmacy and Medicine. The course is accompanied by practical laboratory exercises and seminar activities on topics of main interest in the field of Pharmaceutical Microbiology | Pharmaceutical Microbiology | 8 CFU |
| a.a. 2014 - 2015 - today | Bachelor's Degree in Obstetrics, 1st year, Policlinico Umberto I°, Rome | General Microbiology | 2 CFU |
| a.a. 2017 - 2018 - today | Bachelor's Degree in Dietetics, 1st year, Policlinico Umberto I°, Rome | Microbiologi | 2 CFU |
| a.a. 2020 - 2021 - today | Bachelor's Degree in Dietetics, 2nd year, Policlinico Umberto I°, Rome | Microbiology of Food | 2 CFU |
| a.a. 2017 - 2018 and a.a. 2018 - 2019 | Bachelor's Degree in Nursing, 1st year, Faculty of Pharmacy and Medicine, San Giovanni Addolorata, Rome | Microbiology | 2 CFU |
| a.a. 2013-2014 until a.a. 2016 - 2017 | Bachelor's Degree in Nursing, 1st year, Pomezia, Faculty of Pharmacy and Medicine | General Microbiology | 2 CFU |
| a.a. 2013-2014 until a.a. 2016 - 2017 | Bachelor's Degree in Nursing, 1st year, Pomezia, Faculty of Pharmacy and Medicine | ADE: Sexually transmitted diseases | 1 CFU |
| a.a. 2006 - 2007 until a.a. 2011 - 2012 | New Master's Degree in CTF, 5th year, Faculty of Pharmacy and Medicine | Applied Microbiology | 4 CFU |
| a.a. 2011 - 2012 | Bachelor's Degree in Applied Pharmaceutical Sciences, 2nd year, Faculty of Pharmacy and Medicine | Medical Microbiology | 3 CFU |
| a.a. 2020 - 2021 and a.a. 2021 - 2022 | Teaching assignment for the II-level Master in Molecular Virology | Influenza viruses vs parainfluenza viruses | |

| | | | |
|--|--|--|--|
| a.a. 2007 - 2008 and a.a. 2008 - 2009 | School of Specialization in Hospital Pharmacy, 2nd year | Virology module within the Clinical Microbiology Course | |
| 2002 | ABBOTT Pharmaceutical Industry, Aprilia (LT) | Professional Training Course "Industrial Microbiology" | |

Prof. Nencioni has been invited to hold seminars (scientific or educational) on her research activities, including the following:

| | | |
|------------|--|---|
| 14/07/2017 | Queens College of City University of New York, Department of Biology, NYC, USA | Scientific and educational seminar entitled: “Differential redox state contributes to disparity in response to influenza virus infection in male and female mice”, for researchers and students of the MARC Program, a Master funded by the NIH which aims to introduce students to a research career. |
| 07/07/2017 | Queens College of City University of New York, Department of Biology, NYC, USA | Scientific and educational seminar entitled: “Autophagy is blocked by influenza virus through inhibition of HDAC6-mediated acetylation of cortactin”, for researchers and students of the MARC Program, a Master funded by the NIH which aims to introduce students to a research career. |
| 28/06/2017 | Queens College of City University of New York, Department of Biology, NYC, USA | Scientific and educational seminar entitled: “Influenza virus and redox mediated cell signaling: a complex network of virus/host interaction”, for researchers and students of the MARC Program, a Master funded by the NIH which aims to introduce students to a research career. |
| 10/12/2014 | PhD School in Life Sciences, Sapienza University of Rome | Educational seminar entitled: “Host cell redox-regulated pathways as targets for novel anti-influenza strategy” Invited by Istituto Pasteur-Italia, Fondazione Cenci Bolognetti |
| 25/11/2014 | PhD School in Biochemical and Pharmacological Methodologies; PhD in Life Sciences, Health and Biotechnology. | Scientific and educational seminar entitled: “Host cell redox-regulated pathways as targets for novel anti-influenza strategy” Invited by Dr. Fraternali, Department of Biomolecular Sciences, University of Urbino |
| 24/05/2012 | Section of Microbiology, Department of Public Health | Scientific seminar entitled: “Study of gender differences in the response to viral infection”. Departmental Seminars. |

| | | |
|------------|--|---|
| | and Infectious Diseases, Sapienza | |
| 06/12/2001 | PhD School in Neuroscience, University of Rome "Tor Vergata" | Scientific seminar entitled: "Role of intracellular factors in the control of influenza virus replication", as PhD student in Neuroscience |

Prof. Nencioni has followed the elaboration of numerous theses:

- experimental or compilation theses of students of Master's Degree Courses in Pharmacy, CTF, Biological Sciences and Biotechnology;
- experimental theses of students of the PhD School in Life Sciences and in Infectious Diseases, Microbiology and Public Health.

Part V – Society memberships, Awards and Honors

| Year | Title |
|----------------------------------|--|
| Riccione, Italy 13-16/10/2013 | Award for the best poster entitled "The infection of intestinal cells with the influenza A virus promotes the adhesion of <i>E. coli</i> strains isolated from patients with Crohn's disease" by Aleandri M., Conte M.P., Simonetti G., Panella S., Celestino I., Checconi P., Longhi C., Garaci E., Palamara A.T., Schippa S., Nencioni L. Virology Session, 41st National Congress of the Italian Society of Microbiology The candidate has directed all experimental activities concerning influenza virus infection presented in the poster. |
| Catania, Italy 6-9/10/2002 | Award for the best oral communication entitled "Role of GSH and Bcl-2 in influenza virus infection". Nencioni L. et al. Virology Session, 30th National Congress of the Italian Society of Microbiology |
| Madrid, Espana 6-10/05/2000 | Award for the best poster entitled "Nerve growth factor inhibits apoptosis via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation and cytochrome C release" by Torcia M., De Chiara G., Nencioni L. , Rosini P., Palamara A.T., Bonini P., Marlier L., Cozzolino F. 3rd Symposium of the International Cell Death Society The candidate has obtained data relating to the regulation of Bcl-2 phosphorylative events following treatment with NGF |
| 23/06/2023 - today | Member of the Executive Board of the New Italian Society of Pharmaceutical Microbiology ETS |
| 2000 - today | Member of the Italian Society of Microbiology |
| 2017 - today | Member of the Italian Society of Virology |

| Year | Title |
|-------------|--|
| 2004 - 2023 | Member of the Italian Society of Pharmaceutical Microbiology |
| 2014 - 2017 | Member of the Italian Society of Medical Virology |

| |
|--|
| <p>Member of the Editorial Board of the following international scientific journals Antibiotics, Frontiers in Microbiology – associated editor in Virology, Austin Virology and Retrovirology</p> |
| <p>Guest Editor for International Journal of Molecular Sciences (IJMS), Special issue “Novel antivirals against Respiratory viruses”, deadline 20 Sep 2023.</p> |
| <p>Referee for the following international scientific journals Antiviral Research, Antioxidants and Redox Signaling, Biomedicine & Pharmacotherapy, British Journal of Pharmacology, Evidence-Based Complementary and Alternative Medicine, FASEB J, International Journal of Antimicrobial Agents, Journal of Medical Virology, Journal Cellular Physiology, Marine Drugs, Scientific Reports, Trends Microbiology</p> |

Part VI – Funding Information (grants as PI-Principal Investigator or I-Investigator)

Prof. Nencioni has obtained various grants from public and private institutions. As Head of the Virology research group, she has participated in numerous inter-departmental projects of the Sapienza University and she has contributed, as component of the research group, to many projects financed by public entities or private institutions.

In detail, the grants obtained are shown in the following table:

| Year | Title | Program | Grant value, Role in the project |
|-------------------|--|--|--|
| 2022 (2 years) | Dual acting rEdox-modulating thiol molecules targeting Viral rEplication and infLammatory respOnse in resPiratory virus infections (DEVELOP) | Progetti di Rilevante Interesse Nazionale (PRIN) PRIN 2022 PNRR (Project n. P2022WRRNT) | Grant value: 239.389 Euro Coordinator of the project (PI – Principal Investigator) |

| | | | |
|---------------------------|--|---|---|
| 2022 (2 years) | Dissecting the host cellular response to develop novel host-targeted approaches against RNA viruses | Progetti di Rilevante Interesse Nazionale (PRIN) (Project n. 2022FRE3RH) | Grant value: 91.736 Euro PI – Principal Investigator of Sapienza Research Unit |
| 2022 (3 years) | One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases (INFACT) | National Recovery and Resilience Plan (NRRP) , Investment 1.3 funded from the European Union – NextGeneration EU Partnerships extended (PE) 13 Emerging Infectious Diseases (Project n. PE00000007) | Grant value 20.000 Euro + Grants for 1 Type-A fixed-term researcher (RTDA) Component of critical mass Sapienza – Spoke 1 |
| 2017 (3 years) | ORIGINALE CHEMIAE in Antiviral Strategy - Origin and Modernization of Multi-Component Chemistry as a Source of Innovative Broad Spectrum Antiviral Strategy | Progetti di Rilevante Interesse Nazionale (PRIN) (Project n. 2017BMK8JR) | Grant value 95.454 Euro PI – Principal Investigator of Sapienza Research Unit |
| 2010 (3 years) | Tecnologie OMICS e Systems Biology per la definizione di nuove strategie finalizzate al controllo delle infezioni virali | Progetti di Rilevante Interesse Nazionale (PRIN) (Project n. 2010PHT9NF_005) | Grant value 164.000 Euro PI – Principal Investigator of Sapienza Research Unit |
| 23/12/2022 (15 months) | Informazione agli operatori sanitari per la corretta individuazione dei requisiti in sede di approvvigionamento e utilizzo dei disinfettanti da impiegarsi in ambito sanitario e ospedaliero | Collaboration agreement with Ministry of Health Third mission project | Grant value 71.011,25 Euro PI – Principal Investigator |
| 2019 (2 years) | Role of Glucose-6-phosphate dehydrogenase (G6PD) in regulating influenza virus replication and host response to infection | Fondazione Cenci-Bolognetti – Istituto Pasteur Anna Tramontano Call | Grant value 40.000 Euro PI – Principal Investigator |

| | | | |
|-------------------|--|---|--|
| 2012 (2 years) | Discovery of influenza A virus non-structural protein 1 (NS1) inhibitors | ISS-USA Program | Grant value 40.000 Euro PI – Principal Investigator of Sapienza Research Unit |
| 2022 (1 year) | Assignment of the experimental service for verifying the effectiveness of Trenitalia sanitation Search for genome and proteins of SARS-CoV-2 in environmental swabs | Third party agreement with Trenitalia company | Grant value 12.447,6+IVA Euro PI of Virology Lab |
| 2022 (3 years) | Outcomes of uropathogenic <i>Escherichia coli</i> and virus co-infection in <i>in vitro</i> genitourinary cell lines | Sapienza Ateneo (Project n. RM1221816B319A 91) | Grant value 10.000 Euro Head of Virology Unit |
| 2021 (3 years) | Redox-modulating compounds in the treatment of influenza virus and coronavirus infections | Sapienza Ateneo | Grant value 3.000 Euro PI – Principal Investigator |
| 2020 (3 years) | The role of redox state in modulating ACE2 expression: a cell targeting based-approach for the treatment of SARS-CoV2 pathogenesis and inflammation | Sapienza Ateneo | Grant value 10.000 Euro PI – Principal Investigator |
| 2019 (3 years) | Amphibian skin-derived peptides as novel tools against drug-resistant respiratory microbial and viral strains in elderly and cystic fibrosis patients | Sapienza Ateneo | Grant value 10.000 Euro PI of Virology Unit |
| 2018 (3 years) | Hop and echinacea extracts as antiviral agents to support and prevent influenza virus infection | Sapienza Ateneo | Grant value 3.000 Euro PI – Principal Investigator |
| 2017 (3 years) | Antiviral activity of frog-skin antimicrobial peptides on DNA and RNA enveloped viruses | Sapienza Ateneo | Grant value 3.000 Euro PI – Principal Investigator |

| | | | |
|-------------------|--|--|---|
| 2015 (3 years) | Evaluation of antiviral activity of frog-skin antimicrobial peptides and derivatives | Sapienza Ateneo | Grant value 9.000 Euro PI – Principal Investigator |
| 2016 (1 month) | Critical review of literature on ophthalmic products for the development of new therapeutic strategies | Alfa Intes Industria Terapeutica Splendore collaboration | PI – Principal Investigator |

| | | | |
|--------------------------|--|--|-----------------------------------|
| 2020 (3 years) | DissectING the complex network of virus-cell Host interactions controlling virAL replication and inflammatory response to identify novel host targeted Approaches against severe respiratory virus infections (INHALA) | Progetti di Rilevante Interesse Nazionale (PRIN) (Project n. 2020KSY3KL) | I – Investigator Sapienza Unit |
| 2015-2020 (3.5 years) | Nuovi Antimicrobici Ottenuti da Composti di Origine Naturale (NAOCON) | Programma Operativo Nazionale (PON) (Project n. ARS01_00597) | I – Investigator Sapienza Unit |
| 2010 (3 years) | 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 | Programma Operativo Nazionale (PON) | I – Investigator Sapienza Unit |
| 2009 (1 year) | Studio e sviluppo di nuovi farmaci antivirali contro infezioni da virus influenzale A-H1N1 | Ministry of Health | I – Investigator Sapienza Unit |
| 2007 (2 years) | Differenza di genere nella risposta alle infezioni: ruolo ed efficacia terapeutica degli antiossidanti naturali e sintetici | Ministry of Health, Strategic project | I – Investigator Sapienza Unit |
| 2007 (2 years) | Innovative protocols to improve diagnosis and therapy of zoonotic and | Ministry of Health, Strategic project | I – Investigator Sapienza Unit |

| | | | |
|-------------------|--|--|---|
| | arthropod-borne viral infections | | |
| 2006 (3 years) | Individuazione, caratterizzazione e valutazione preliminare dell'efficacia di strategie farmaceutiche innovative, basate sull'interferenza con vie metaboliche cellulari. Studio del loro uso per la prevenzione e la terapia di malattie ad eziologia virale | Fondo per gli Investimenti della Ricerca di Base (FIRB) | I – Investigator Sapienza Unit |
| 2005 (3 years) | Ricerca e Sviluppo del Farmaco (CHEM - PROFARMA-NET). Sintesi, caratterizzazione biologica e farmacologica di nuove molecole organiche, biorganiche e naturali ad attività antidegenerativa (neuro o cardiovascolare), immunomodulatrice, antivirale ed anti-infettiva | Piattaforme Reti FIRB | I – Investigator Sapienza Unit |
| 2019 (3 years) | Test rapido su urine, sangue e saliva con biosensori per la diagnostica di malattie infettive | Regione Lazio strategic project | I – Investigator Sapienza Unit |
| 2014 (3 years) | Metodi innovativi per la determinazione di microorganismi, parassiti e sostanze tossiche | Regione Lazio Filas project | I – Investigator Sapienza Unit |
| 2016 (3 years) | Role of G6PD deficiency in viral infections | Sapienza Ateneo | I – Investigator Sapienza Unit |
| 2014 (2 years) | Molecular mechanism involved in NKG2D and DNAM-1 activating ligand regulation in human CMV-infected cells | Sapienza Ateneo | I – Investigator of Virology group, Department of Public Health and Infectious Diseases |

| | | | |
|----------------------------|---|--|---|
| 2013 (2 years) | Study of the regulation of the expression of the ligands for the activating receptors NKG2D e DNAM-1 in human citomegalovirus infected cells: role of the DNA damage response pathway, of oxidative stress, and of IE1 and IE2 viral proteins | Sapienza Ateneo | I – Investigator of Virology group, Department of Public Health and Infectious Diseases |
| 2010 (2 years) | Controllo dell'espressione genica e meccanismi di signaling intracellulare nella patogenesi di infezioni opportunistiche secondarie alle infezioni virali | Sapienza Ateneo | I – Investigator Sapienza Unit |
| 2009 (2 years) | Meccanismi molecolari di riconoscimento da parte di recettori dell'immunità innata di cellule infettate o trasformate da virus: l'esempio del citomegalovirus e del papilloma virus umani | Sapienza Ateneo | I – Investigator of Virology group, Department of Public Health and Infectious Diseases |
| 2007 (2 years) | Studio dei meccanismi antiapoptotici per la individuazione di nuove strategie antivirali | Sapienza Ateneo | I – Investigator of Virology group, Department of Public Health and Infectious Diseases |
| 2012 (2 years) | Selective inhibition of Hemagglutinin maturation by cellular oxidoreductases: a potential target for novel anti-influenza strategies | Fondazione Cenci Bolognetti – Istituto Pasteur | I – Investigator of Virology group, Department of Public Health and Infectious Diseases |
| 2010 (2 years) | Redox-regulated intracellular pathways involved in influenza virus replication as new potential targets for anti-viral drugs. | Fondazione Cenci Bolognetti – Istituto Pasteur | I – Investigator of Virology group |
| 2009 (2 years) | Intracellular protein-protein interactions regulating viral replication as targets for novel antiviral strategies | Fondazione Roma | I – Investigator of Virology group |
| 2009 - 2010 (10 months) | Evaluation of the in-vitro antiviral activity of 3 compounds – BR-5135, BR-5464, and BR-5119 against influenza A virus | Bayer Schering Pharma AG, Research agreement | I – Investigator of Virology group |

| | | | |
|-------------------|---|-----------------------------------|------------------|
| 2011 (2 years) | <i>Achromobacter xylosoxidans</i> an emerging pathogen in Cystic Fibrosis patients: from molecular characterization to development of innovative therapeutic strategies based on the anti-bacterial activities of <i>Bdellovibrio predator</i> bacteria | Fondazione Fibrosi Cistica | I – Investigator |
|-------------------|---|-----------------------------------|------------------|

| | | | |
|------|--|---|--|
| 2017 | Identification of biomarkers for the early diagnosis and prompt treatment of <i>Staphylococcus aureus</i> and influenza virus co-infections Consortium coordinated by Prof. Bettina Löffler and Prof. Christina Ehrhardt (Germany) | Cooperative Health research between the EU and Latin America-Caribbean countries (EU-LAC Health) (Project n. EULACH16/T02-0193) | The project was recommended for funding according to the evaluation ranking, but it was not funded for problems with Argentina co-funding, PI – Principal Investigator of Sapienza Research Unit |
|------|--|---|--|

Prof. Nencioni has established numerous collaborations with national or international research groups, evidenced by publications with Italian or foreign co-authors, belonging to public or private institutions.

Among the foreign collaborators: Prof. John Hiscott, Director of the Pasteur Laboratories, Istituto Pasteur-Fondazione Cenci Bolognetti, Rome Italy; Prof. Stephan Ludwig, Institute of Virology, Westfälische Wilhelms-University Münster, Germany; Prof. Bettina Löffler and Prof. Christina Ehrhardt, Institute of Medical Microbiology, University Hospital Jena, Germany; Prof. Zahra Zakeri, Department of Biology, Queens College of City of New York, USA; Dr. Camillo Ricordi, Cell Transplant Center, Diabetes Research Institute, University of Miami Miller School of Medicine, Miami, FL 33136, USA.

Part VII – Research Activities

Prof. Nencioni coordinates and carries out research activities at the Virology Labs dedicated to respiratory virus infections of the Microbiology Section, Department of Public Health and Infectious Diseases.

For years her research has focused on the study of the molecular mechanisms by which viruses interact with cellular signaling pathways, that are involved in the regulation of the viral replication cycle but also in the host response to infection. The research has allowed to identify and characterize cellular targets that can be blocked with natural or synthetic molecules for new antiviral strategies named “cell-targeted approaches”. Particular attention has been devoted to deepening the pathogenetic mechanisms of different respiratory virus infections, evaluating the virus-induced oxidative stress and the activation of antioxidant response and related genes upon viral infection by using *in vitro* and *in vivo* models. Furthermore, the relationship between antioxidant response and activation of interferon (IFN)-mediated pathways has been studied in respiratory-syncytial-virus- and rhinovirus-infected hospitalized children.

The interdisciplinary collaboration with other research groups has allowed to evaluate the antiviral activity of different molecules, like thiols, polyphenols, micronutrients and antimicrobial peptides against viral infections, including those by influenza virus or SARS-CoV-2.

Another research line concerns the study of cooperation between different microorganisms (viruses/bacteria) in the pathogenesis of acute and chronic diseases.

In detail, her scientific activity is mainly focused on the following topics:

| | |
|--|--|
| <p>Cell-targeted approach for antiviral/antiinflammatory strategies:</p> <p>study of the mechanisms involved in the pathogenesis of respiratory viruses, for the identification of novel antiviral strategies aimed at interfering with cellular functions, rather than viral structures, necessary for viral replication</p> | <p>The research activity is aimed at investigating the molecular mechanisms underlying the activation of specific cellular pathways exploited by viruses for the correct development of the viral replicative cycle, with particular regard to redox-regulated pathways. In this context, the redox alterations in the infected cells have been well characterized and the role of some redox-sensitive enzymes in the replication of the influenza virus has been defined. Among these, the function of an isoform of the NADPH oxidase family (NOX4) and of an isomerase (PDI) present in the endoplasmic reticulum, in specific steps of the viral replicative cycle, has been identified. Moreover, the glutaredoxin 1 (Grx1) de-glutathionylation activity has been shown to be important for influenza virus to complete the replication cycle. More recently, the study has been focused on the role of the enzyme glucose 6 phosphate dehydrogenase (G6PD) and of the nuclear factor NRF2 in the regulation of viral replication and the antioxidant response to infection.</p> <p>Findings related to this research topic have been reported in the following selected publications: Amatore D. <i>Cell Microbiol</i> 2015 Checconi P. <i>IJMS</i> 2020 De Angelis M. <i>Frontiers Cell Infect Microbiol</i> 2022 Checconi P. <i>FASEB J</i> 2023</p> |
|--|--|

| | |
|--|--|
| <p>Virus/host interaction:</p> <p>study of the relationship between host redox state and replication ability of RNA and DNA viruses</p> | <p>The research activity focused on the relationship between intracellular redox state and permissiveness to viral infection. In particular, the intracellular redox state in hepatitis C virus infection was investigated using a cellular model that mimics acute and chronic infection. The different response to influenza virus infection by the two sexes was also evaluated in a mouse model of male and female mice. Finally, NRF2-mediated antioxidant response was correlated to the interferon response in hospitalized pediatric patients affected by respiratory syncytial virus or rhinovirus infection.</p> <p>Findings related to this research topic have been reported in the following selected publications: Celestino I. <i>Frontiers Immunol.</i> 2018 Anticoli S. <i>Oxidat Med Cell Long</i> 2019 Sorrentino L. <i>Pathogens</i> 2023</p> |
| <p>Identification of novel antiviral compounds:</p> <p>evaluation of cytotoxicity, antiviral and/or anti-inflammatory activities of novel natural or synthetic compounds against DNA and RNA viruses.</p> | <p>The research was aimed at identifying and characterizing natural or newly synthesized compounds with antiviral/anti-inflammatory activities in experimental models of <i>in vitro</i> and <i>in vivo</i> viral infection.</p> <p>To this aim, different models of RNA or DNA virus infections have been developed for these studies. In particular, we set up an <i>in vivo</i> aging model of influenza virus infection to evaluate the immunomodulatory ability of glutathione derivatives in stimulating the lymphocytes Th1 response.</p> <p>Furthermore, in collaboration with other virologist groups, we evaluated the antiviral efficacy of synthesized compounds in experimental models of respiratory virus infections. Particular attention was devoted to evaluate redox-modulating compounds in inhibiting SARS-CoV-2 replication.</p> <p>Findings related to this research topic have been reported in the following selected publications: Di Sotto A. <i>Oxidat Med Cell Long</i> 2018 Marcocci M.E. <i>Antimicrob Agents Chemother</i> 2018 De Angelis M. <i>FASEB J</i> 2021 De Angelis M. <i>Biomedicines</i> 2021 Vicenti I. <i>Eur J Med Chem</i> 2021 Marcocci M.E. <i>IJMS</i> 2022 De Angelis M. <i>Pharmaceuticals</i> 2022 Fraternal A. <i>FASEB J</i> 2023</p> |

| | |
|---|--|
| <p>Mechanisms involved in infections caused by different microorganisms:</p> <p>study of cooperation mechanisms between pathogens (viruses/bacteria) in co-infections. Evaluation of molecules with antimicrobial activity in co-infection models</p> | <p>This research line has been focused on evaluating the role of different microorganisms in the pathogenesis of secondary infections that complicate viral infections or in the pathogenesis of chronic inflammatory diseases, such as Crohn's disease and cystic fibrosis. In particular, it has been demonstrated that influenza virus infection of intestinal cells increases the adhesion of bacterial strains isolated from patients with Crohn's disease. The setting up of co-infections is also useful to test compounds effective on different pathogens.</p> <p>Findings related to this research topic have been reported in the following selected publication: <i>Aleandri M. et al., PLoS One, 2015</i></p> |
| <p>In the years 1996-2001, the candidate also participated in research projects concerning the study of the mechanisms of signal transduction of neurotrophins, such as nerve growth factor, involved in the processes of death/survival of memory B lymphocytes. For this project, the CNR has given her an assignment for a collaboration aimed at characterizing the mechanisms of degradation of the anti-apoptotic protein Bcl-2 in memory B cells. The experience acquired in the development of models for the study of the mechanisms of activation/inactivation of apoptotic pathways, has allowed her to transfer this knowledge to the model of influenza virus infection.</p> | |

- During the post-graduate practical training she collaborated on research projects concerning the study of the modulation of the receptor for the macrophage colony-stimulating factor following treatment with cytokines.
- During the preparation of the Master's degree thesis, she was involved in the study of second messengers, such as inositol phosphates and diacylglycerol, in patients undergoing hemodialysis.

Professional experience abroad

Visiting Professor at the laboratory directed by Prof. Zahra Zakeri at Queens College, City of New York, USA, whose research group has a consolidated experience in the activation of autophagic and apoptotic processes in different models, including those of influenza, dengue and zika virus infections. During the period, Prof. Nencioni has held three seminars concerning her research lines to senior researchers, laboratory heads, and graduate and PhD students. She also participated in the laboratory's experimental activities as part of a common project. She also consolidated her experience in viral infection, production and titration methods (including emerging viruses) and gained experience in the isolation of primary murine cells.

Invited speaker at national or international congresses:

- **Nencioni L.** Epigenetic modulators in the control of viral replication and host cell response. 50th national congress of the Italian Society of Microbiology, Naples 18-21 September 2022.

- **Nencioni L.** Redox-modulating agents in the treatment of viral infections. 23rd Virtual Meeting Paris Redox, 13-15 October 2021.
- **Nencioni L.** ACE2: a key factor in regulating SARS-CoV-2 and influenza virus infection. 5th National Congress of the Italian Society for Virology, Webinar 5-6 July 2021.
- **Nencioni L.** Nuove strategie per la lotta al virus di origine umana e animale, nell'ambito delle sostanze naturali, tra cui gli oli essenziali. Virtual Meeting SIROE 2020, 25 September 2020.
- **Nencioni L.** Infezioni da virus influenzali: stato dell'arte. 47th National Congress of the Italian Society of Microbiology, Rome 18-21 September 2019.
- **Nencioni L.** Lo stato redox regola la suscettibilità dell'ospite all'infezione da virus influenzale. 40° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 7-10 Ottobre 2012
- **Nencioni L.** Differenze di genere nella risposta alle infezioni virali: studio dei meccanismi coinvolti. 39th Congress of the Italian Society of Microbiology Riccione, 3-6 October 2011.

Speaker at national or international conferences and congresses, most of them upon selection:

- **Nencioni L.** Attività antivirale di S-Acetylglutathione sull'infezione da virus influenzale A PR8. 2nd National Congress of the Italian Society of Pharmaceutical Microbiology. Naples, 19-20 October 2005
- **Nencioni L.** Virus/host-cell interaction: a target for new anti-influenza strategies? Speaker at the Conference of the Faculty of Pharmacy, Sapienza University of Rome. Rome, 9-10 December 2004
- **Nencioni L.** p38MAPK: una chinasi cellulare coinvolta nella replicazione del virus influenzale e nell'apoptosi delle cellule infettate. 32nd National Congress of the Italian Society of Microbiology. Milan, 26-29 September 2004
- **Nencioni L.** Ruolo del GSH e di Bcl-2 nell'infezione da virus influenzale. 30th National Congress of the Microbiology Society. Catania 6-9 October 2002 (**award for the best oral communication for the session of Virology**).

Part VIII – Summary of Scientific Achievements

| Product type | Number | Number last 10 years (2014-2023) | Number last 5 years (2019-2023) |
|--|-----------|-------------------------------------|------------------------------------|
| Publications (data base Scopus) | 80 | 45 | 28 |
| Book chapters (scientific) (data base Scopus) | 1 | 0 | 0 |
| Book chapters (teaching) | 2 | 1 | 1 |

| Impact factor / year of publication (data base Journal Citation Reports) | |
|---|---------------|
| Total impact factor (IF) | 379.42 |
| Average IF (379.42/78) | 4.9 |
| IF last 10 years (2014-2023) | 196.8 |
| Average IF last 10 years (196.8/43) | 4.6 |
| IF last 15 years (2009-2023) | 266.3 |
| Impact factor / 2022 (data base Journal Citation Reports) | |
| Total impact factor (IF) | 457.15 |
| Average IF (457.15/79) | 5.8 |
| IF last 15 years (2009-2023) | 300.73 |

| Citations (data base Scopus) | |
|--|-------------|
| Total Citations | 3209 |
| Average Citations per Product (3209/80) | 40.1 |
| Total Citations last 10 years (2014-2023) | 1023 |
| Average Citations per Product last 10 years (1023/45) | 22.7 |
| Citations last 15 years (2009-2023) | 1904 |

| H index (data base Scopus) | |
|--|-------------|
| Hirsch (H) index | 32 |
| H index last 10 years (2014-2023) | 20 |
| H index last 15 years (2009-2023) | 27 |
| *Normalized H index (32/28) | 1.14 |

*H index divided by the academic seniority

Prof. Nencioni contributed to the design of the study, to the analysis and processing of the data and to the drafting of the manuscripts, as evidenced by her position in the author list as **first, last, or corresponding author** in most of publications in the last 10 years. Furthermore, she is the **leader of the virology group** in most of the publications presented in collaboration with researchers of the chemistry, pharmaceutical and biochemistry research fields.

List of publications in international journals:

1. Loffredo M.R., **Nencioni L.**, Mangoni M.L., Casciaro B. Antimicrobial peptides for novel antiviral strategies in the current post-COVID-19 pandemic. *J Pept Sci* **2023**: 1-28. doi: 10.1002/psc.3534 (IF/year publication: 2.1; IF 2022: 2.1, cit. Scopus 0) (**Head of virology group**).
2. Marsili G., Acchioni C., Remoli A.L., Amatore D., De Angelis M., Orsatti R., Acchioni M., Astolfi A., Iraci N., Puzelli S., Facchini M., Perrotti E., Cecchetti V., Sabatini S., Superti F., Agamennone M., Barreca M.L., Hiscott J., **Nencioni L.**, Sgarbanti M. Identification of anti-influenza A compounds inhibiting the NS-1 viral protein using a type I IFN-driven screening strategy. *Int J Mol Sci* **2023**: 24, 10495. doi.org/10.3390/ijms241310495 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 0) (**Head of Sapienza Virology group**).
3. Sorrentino L., Toscanelli W., Fracella M., De Angelis M., Frasca F., Scagnolari C., Petrarca L., Nenna R., Midulla F., Palamara A.T., **Nencioni L.***, Pierangeli A.*. NRF2 antioxidant response and Interferon-stimulated genes are differentially expressed in respiratory syncytial virus and rhinovirus infected hospitalized children. *Pathogens* **2023**: 12, 577. doi.org/10.3390/pathogens12040577 (IF/year publication: 3.7, Q2; IF 2022: 3.7; cit. Scopus 0) (***co-authors**) (**Last name and corresponding author**)
4. Fraternali A., De Angelis M., De Santis R., Amatore D., Masini S., Monittola F., Menotta M., Biancucci F., Bartoccini F., Retini M., Fiori V., Fioravanti R., Magurano F., Chiarantini L., Lista R.F., Piersanti G., Palamara A.T., **Nencioni L.**, Magnani M., Crinelli R. Targeting SARS-CoV-2 by synthetic dual-acting thiol compounds that inhibit Spike/ACE2 interaction and viral protein production. *FASEB J* **2023**: 37, e22741 doi.org/10.1096/fj.202201157RR (IF/year publication: 4.8, Q1; IF 2022: 4.8; cit. Scopus 3) (**Head of virology group**).
5. Checconi P., Coni C., Limongi D., Baldelli S., Ciccarone F., De Angelis M., Meng biologyozzi M., Ghezzi P., Ciriolo M.R., **Nencioni L.***, Palamara A.T.*. Influenza virus replication is affected by glutaredoxin1-mediated protein deglutathionylation. *FASEB J* **2023**: 37, e22729 doi.org/10.1096/fj.202201239RR (IF/year publication: 4.8, Q1; IF 2022: 4.8, cit. Scopus 0) (***co-authors**) (**Last name**)
6. Bizzarri B., Fanelli A., Ciprini S., Giorgi A., De Angelis M., Fioravanti R., **Nencioni L.**, Saladino R. Multicomponent synthesis of diaminopurine and guanine PNA's analogues active against influenza A virus from prebiotic compounds *ACS Omega* **2022**: 7(49), 45253-45264. doi: 10.1021/acsomega.2c05754 (IF/year publication: 4.1, Q2; IF 2022: 4.1, cit. Scopus 1) (**Head of virology group**).
7. De Angelis M., De Filippis B., Balaha M., Giampietro L., Miteva M.T., De Chiara G., Palamara A.T., **Nencioni L.***, Mollica A.*. Nitrostilbenes: Synthesis and Biological Evaluation as Potential Anti-Influenza Virus Agents. *Pharmaceuticals* **2022**: 15, 1061. doi.org/10.3390/ph15091061 (IF/year publication: 4.6, Q1; IF 2022: 4.6, cit. Scopus 2) (***co-authors**) (**Last name**)
8. Marcocci M.E., Jackowska B.G., Prezioso C., Protto V., De Angelis M., Di Leva F.S., Casciaro B., Carotenuto A., Mangoni M.L., Palamara A.T., Pietropaolo V., De Chiara G., **Nencioni L.** The Inhibition of DNA Viruses by the Amphibian Antimicrobial Peptide Temporin G: A Virological Study Addressing HSV-1 and JCPyV. *Int J Mol Sci* **2022**: 23, 7194. https://doi.org/10.3390/ijms23137194 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 4) (**Last name and corresponding author**)
9. D'Auria F.D., Casciaro B., De Angelis M., Marcocci M.E., Palamara A.T., **Nencioni L.***, Mangoni M.L.* Antifungal Activity of the Frog Skin Peptide Temporin G and Its Effect on *Candida albicans* Virulence Factors. *Int J Mol Sci* **2022**: 23, 6345.

- doi.org/10.3390/ijms23116345 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 3) (***co-authors**) (**Last name and corresponding author**)
10. Marazzato M., Iannuccelli C., Guzzo M.P., **Nencioni L.**, Lucchino B., Radocchia G., Gioia C., Bonfiglio G., Neroni B., Guerrieri F., Pantanella F., Garzoli S., Vomero M., Barbati C., Di Franco M., Schippa S. Gut microbiota structure and metabolites, before and after treatment in Early Rheumatoid Arthritis patients: a pilot study. *Frontiers in Medicine* **2022**: 9, Article 921675. doi: 10.3389/fmed.2022.921675 (IF/year publication: 3.9, Q1; IF 2022: 3.9, cit. Scopus 4).
 11. Madia V.N., Toscanelli W., De Vita D., De Angelis M., Messore A., Ialongo D., Garzoli S., Scipione L., Tudino V., D'Auria F.D., Di Santo R., Stringaro A.R., Colone M., Marchetti M., Superti F., **Nencioni L.**, Costi R. Ultrastructural Damages to H1N1 Influenza Virus Caused by Vapor Essential Oils. *Molecules* **2022**: 27, 3718. doi.org/10.3390/molecules27123718 (IF/year publication: 4.6, Q2; IF 2022: 4.6; cit. Scopus 4) (**Head of virology group**)
 12. De Angelis M., Amatore D., Checconi P., Zevini A., Fraternali A., Magnani M., Hiscott J., De Chiara G., Palamara A.T., **Nencioni L.** Influenza virus down-modulates G6PD expression and activity to induce oxidative stress and promote its replication. *Frontiers Cell Infect Microbiol.* **2022**: 11, Article 804976. doi: 10.3389/fcimb.2021.804976 (IF/year publication: 5.7, Q1; IF 2022: 5.7; cit. Scopus 16) (**Last name and corresponding author**)
 13. Zannella C., Chianese A., Palomba L., Marcocci M.E., Bellavita R., Merlino F., Grieco P., Folliero V., De Filippis A., Mangoni M.L., **Nencioni L.**, Franci G., Galdiero M. Broad-Spectrum Antiviral Activity of the Amphibian Antimicrobial Peptide Temporin L and Its Analogs. *Int J Mol Sci* **2022**: 23, 2060, doi.org/10.3390/ijms23042060 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 18).
 14. De Angelis M., Della-Morte D., Buttinelli G., Di Martino A., Pacifici F., Checconi P., Ambrosio L., Stefanelli P., Palamara A.T., Garaci E., Ricordi C., **Nencioni L.** Protective Role of Combined Polyphenols and Micronutrients against Influenza A Virus and SARS-CoV-2 Infection in vitro. *Biomedicines* **2021**: 9, 1721. doi.org/10.3390/biomedicines9111721 (IF/year publication: 4.757, Q2; IF 2022: 4.7; cit. Scopus 16) (**Last name and corresponding author**)
 15. De Santis R., Luca V., Näslund J., Ehmann R.K., De Angelis M., Lundmark E., **Nencioni L.**, Faggioni G., Fillo S., Amatore D., Regalbuto E., Molinari F., Petralito G., Wölfel R., Stefanelli P., Rezza G., Palamara A.T., Antwerpen M., Forsman M., Lista F. Rapid inactivation of SARS-CoV-2 with LED irradiation of visible spectrum wavelengths. *J Photochem Photob* **2021**: 8, 100082, 10.1016/j.jpap.2021.100082 (IF/year publication: 5.141, Q2; IF 2022: 4.3; cit. Scopus 11).
 16. Fiorentino F., De Angelis M., Menna M., Rovere A., Caccuri A.M., D'Acunzo F., Palamara A.T., **Nencioni L.***, Rotili D.*, Mai A. Anti-influenza A virus activity and structure-activity relationship of a series of nitrobenzoxadiazole derivatives. *J Enz Inhib Med Chem* **2021**: 36(1), 2128-2138, doi.org/10.1080/14756366.2021.1982932 (IF/year publication: 5.756; IF 2022: 5.6, Q1, cit. Scopus 3) (***corresponding author as Head of virology group**)
 17. Bizzarri B.M.*, Fanelli A., Botta L., De Angelis M., Palamara A.T., **Nencioni L.***, Saladino R. Aminomalnonitrile inspired prebiotic chemistry as a novel multicomponent tool for the synthesis of imidazole and purine derivatives with anti-influenza A virus activity. *RSC Advances* **2021**: 11, 30020, 10.1039/d1ra05240c (IF/year publication: 4.036; IF 2022: 3.9, Q2, cit. Scopus 7) (***corresponding author as Head of virology group**).
 18. Vicenti I., Martina M.G., Boccuto A., De Angelis M., Giavarini G., Dragoni F., Marchi S., Trombetta C.M., Crespan E., Maga G., Eydoux C., Decroly E., Montomoli E., **Nencioni L.**, Zazzi M., Radi M. System-oriented optimization of multi-target 2,6-diaminopurine derivatives: Easily accessible broad-spectrum antivirals active against flaviviruses, influenza virus and SARS-CoV-2. *Eur J Med Chem* **2021**: 224, 113683

- <https://doi.org/10.1016/j.ejmech.2021.113683> (IF/year publication: 7.088; IF 2022: 6.7, Q1, cit. Scopus 5) (**Head of Sapienza virology group**).
19. Napoletani G., Protto V., Marcocci M.E., **Nencioni L.**, Palamara A.T., De Chiara G. Recurrent Herpes Simplex Virus Type 1 (HSV-1) Infection Modulates Neuronal Aging Marks in In Vitro and In Vivo Models. *Int J Mol Sci* **2021**: 22(12), 6279. doi.org/10.3390/ijms22126279 (IF/year publication: 6.208; IF 2022: 5.6, Q1, cit. Scopus 13).
 20. Fraternali A., Zara C., De Angelis M., **Nencioni L.**, Palamara A.T., Retini M., Di Mambro T., Magnani M., Crinelli R. Intracellular Redox-Modulated Pathways as Targets for Effective Approaches in the Treatment of Viral Infection. *Int J Mol Sci* **2021**, 22(7), 3603. <https://doi.org/10.3390/ijms22073603> (IF/year publication: 6.208; IF 2022: 5.6, Q1, cit. Scopus 22) (**Head of virology group**).
 21. Madia V.N., De Angelis M., De Vita D., Messore A., De Leo A., Ialongo D., Tudino V., Saccoliti F., De Chiara G., Garzoli S., Scipione L., Palamara A.T., Di Santo R., **Nencioni L.***, Costi R.* Investigation of *Commiphora myrrha* (T. Nees) Engl oil and its main components for antiviral activity. *Pharmaceuticals* **2021**, 14(3), 243 doi.org/10.3390/ph14030243 (IF/year publication: 5.215; IF 2022: 4.6, Q1, cit. Scopus 13) (***co-authors**) (**Last name**)
 22. Zippilli C., Botta L., Bizzarri B.M., **Nencioni L.***, De Angelis M., Protto V., Giorgi G., Baratto M.C., Pogni R., Saladino R.* Laccase-catalyzed 1,4-dioxane-mediated synthesis of belladine N-oxides with anti-influenza A virus activity. *Int J Mol Sci* **2021**: 22(3), 1337 doi.org/10.3390/ijms22031337 (IF/year publication: 6.208; IF 2022: 5.6, Q1, cit. Scopus 4) (***corresponding author as Head of virology group**).
 23. De Angelis M., Casciaro B., Genovese A., Brancaccio D., Marcocci M.E., Novellino E., Carotenuto A., Palamara A.T., Mangoni M.L., **Nencioni L.** Temporin G, an amphibian antimicrobial peptide against influenza and parainfluenza respiratory viruses: insights into biological activity and mechanism of action. *FASEB J* **2021**: 35 (2), e21358; doi.org/10.1096/fj.202001885RR (IF/year publication: 5.834; IF 2022: 4.8, Q1, cit. Scopus 19) (**Last name and corresponding author**)
 24. Checconi P., De Angelis M., Marcocci M. E., Fraternali A., Magnani M., Palamara A.T., **Nencioni L.** Redox-modulating agents in the treatment of viral infections. *Int J Mol Sci* **2020**: 21, 4084, doi: 10.3390/ijms21114084 (IF/year publication: 5.924; IF 2022: 5.6, Q1, cit. Scopus 64) (**Last name and corresponding author**)
 25. Bizzarri B.M.*, Fanelli A., Piccinino D., De Angelis M., Dolfi C., Palamara A.T., **Nencioni L.***, Zippilli C., Crucianelli M., Saladino R. Synthesis of Stilbene and Chalcone Inhibitors of Influenza A Virus by SBA-15 Supported Hoveyda-Grubbs Metathesis. *Catalysts* **2019**: 9, 983; doi:10.3390/catal9120983 (IF/year publication: 3.52; IF 2022: 3.9, Q2, cit. Scopus 18) (***corresponding author as Head of virology group**).
 26. Checconi P., Limongi D., Baldelli S., Ciriolo M.R., **Nencioni L.***, Palamara A.T.* Role of glutathionylation in infection and inflammation. *Nutrients* **2019**: 11, 1952; doi:10.3390/nu11081952 (IF/year publication: 4.546; IF 2022: 5.9, Q1, cit. Scopus 30) (***co-authors**) (**Last name**)
 27. 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 Bioadv* **2019**: 1 (5), 296-305. doi: 10.1096/fba.2018-00066 (IF/year publication: ND; IF 2022: 2.7; Q4; cit. Scopus 26) (**Last name and corresponding author**)
 28. Anticoli S., Amatore D., Matarrese P., Palamara A.T., **Nencioni L.***, Ruggieri A.* Counteraction of HCV-induced oxidative stress concurs to establish chronic infection in liver cell cultures. *Oxidat Med Cell Long* **2019**: 2019, ID 6452390 doi:

- 10.1155/2019/6452390 (IF/year publication: 5.076; IF 2021: 7.31; Q2; cit. Scopus 25) (***co-authors) (Last name)**)
29. Limongi D., Baldelli S., Santi F., D'Agostini C., Palamara A.T., **Nencioni L.**, Ciotti M. Redox alteration in patients infected by different HCV genotypes. *Le Infezioni in Medicina* **2018**: 3, 249-254 (NO IF; cit. Scopus 2).
 30. Di Sotto A., Di Giacomo S., Amatore D., Locatelli M., Vitalone A., Toniolo C., Rotino G.L., Lo Scalzo R., Palamara A.T., Marcocci M.E., **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), E2066. doi: 10.3390/molecules23082066 (IF/year publication: 3.06; IF 2022: 4.6; Q2; cit. Scopus 39) (**Last name and corresponding author**)
 31. Celestino I., Checconi P., Amatore D., De Angelis M., Coluccio P., Dattilo R., Alunni Fegatelli D., Clemente A.M., Matarrese P., Torcia M.G., Mancinelli R., Mammola C.L., Garaci E., Vestri A.R., Malorni W., Palamara A.T., **Nencioni L.** Differential redox state contributes to sex disparities in the response to influenza virus infection in male and female mice. *Frontiers Immunol.* **2018**: 9, 1747. doi: 10.3389/fimmu.2018.01747 (IF/year publication: 4.716; IF 2022: 7.3; Q1; cit. Scopus 27) (**Last name and corresponding author**)
 32. Di Sotto A., Checconi P., Celestino I., Locatelli M., Carissimi S., De Angelis M., Rossi V., Limongi D., Toniolo C., Martinoli L., Di Giacomo S., Palamara A.T., **Nencioni L.** Antiviral and antioxidant activity of a hydroalcoholic extract from *Humulus lupulus* L. *Oxidat Med Cell Long* **2018**: 2018, ID 5919237. doi: 10.1155/2018/5919237 (IF/year publication: 4.868; IF 2022: 7.31; Q2; cit. Scopus 42) (**Last name**)
 33. Marcocci M.E., Amatore D., Villa S., Casciaro B., Aimola P., Franci G., Grieco P., Galdiero M., Palamara A.T., Mangoni M.L., **Nencioni L.** The Amphibian Antimicrobial Peptide Temporin B Inhibits In Vitro Herpes Simplex Virus 1 Infection. *Antimicrob Agents Chemother* **2018**: 62 (5), e02367-17. doi: 10.1128/AAC.02367-17 (IF/year publication: 4.715; IF 2022: 4.9; Q2; cit. Scopus 56) (**Last name and corresponding author**)
 34. Bizzarri B.M., Botta L., Capecchi E., Celestino I., Checconi P., Palamara A.T., **Nencioni L.***, Saladino R.*. Regioselective IBX mediated synthesis of coumarin derivatives with antioxidant and anti-influenza activities. *J Natural products* **2017**: 80(12), 3247-3254. doi: 10.1021/acs.jnatprod.7b00665 (IF/year publication: 3.885; IF 2022: 5.1; Q1; cit. Scopus 43) (***corresponding author as Head of virology group**)
 35. Panella S., Marcocci M.E., Celestino I., Valente S., Zwergel C., Li Puma D.D., **Nencioni L.**, Mai A., Palamara A.T., Simonetti G. MC1568 inhibits HDAC6/8 activity and influenza A virus replication in lung epithelial cells: role of Hsp90 acetylation. *Future Med Chem* **2016**: 8(17), 2017-2031. doi: 10.4155/fmc-2016-0073 (IF/year publication: 3.556; IF 2022: 4.2; Q2; cit. Scopus 27)
 36. Brundu S., **Nencioni L.**, Celestino I., Coluccio P., Palamara A.T., 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. *Oxidat Med Cell Long* **2016**: 1746985. doi: 10.1155/2016/1746985 (IF/year publication: 4.593; IF 2021: 7.31; Q2; cit. Scopus 21)
 37. Botta G., Bizzarri B.M., Garozzo A., Timpanaro R., Bisignano B., Amatore D., Palamara A.T., **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. *Bioorg Med Chem* **2015**: 23(17), 5345-5351. doi: 10.1016/j.bmc.2015.07.061 (IF/year publication: 2.923; IF 2022: 3.5; Q3; cit. Scopus 31) (***co-authors) (Last name)**)
 38. Checconi P., Salzano S., Bowler L., Mullen L., Mengozzi M., Hanschmann EM, Lillig CH, Sgarbanti R., Panella S, **Nencioni L.**, Palamara A.T., 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* **2015**: 10(5), e0127086. doi: 10.1371/journal.pone.0127086 (IF/year publication: 3.057; IF 2022: 3.7, Q1; cit. Scopus 57)
39. Aleandri M., Conte M.P., Simonetti G., Panella S., Celestino I., Checconi P., Marazzato M., Longhi C., Nicoletti M., Garaci E., Barnich N., Palamara A.T., Schippa S., **Nencioni L.** Influenza A virus infection of intestinal epithelial cells promotes the adhesiveness of *Escherichia coli* strains isolated from Crohn's disease patients. *PLoS One* **2015**: 10(2), e0117005. doi: 10.1371/journal.pone.0117005 (IF/year publication: 3.057; IF 2022: 3.7, Q1; cit. Scopus 9) (**Last name**)
 40. Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., **Nencioni L.**, Garaci E., Ciriolo M.R., Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. *Cell Microbiol* **2015**: 17(1), 131-145 doi:10.1111/cmi.12343 (IF/year publication: 4.46; IF 2022: 3.4, Q2; cit. Scopus 115) (**Head of part of virology studies**)
 41. Manvar D., Pelliccia S., La Regina G., Famigliani V., Coluccia A., Ruggieri 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-(1H-pyrrol-1-yl)-1H-pyrazole-3-carboxamides Inhibit Hepatitis C Virus Replication via Suppression of Cyclooxygenase-2. *Eur J Med Chem* **2015**: 90, 497-506 (IF/year publication: 3.902; IF 2022: 6.7, Q1; cit. Scopus 26)
 42. Sgarbanti R., Amatore D., Celestino I., Marcocci M.E., Fraternali A., Ciriolo M.R., Magnani M., Saladino R., Garaci E., Palamara A.T., **Nencioni L.** Intracellular redox state as target for anti-influenza therapy: are antioxidants always effective? *Curr Top Med Chem* **2014**: 14 (22), 2529-2541 (IF/year publication: 3.402; IF 2022: 3.4, Q3; cit. Scopus 38) (**Last name**)
 43. Iebba V., Totino V., Santangelo F., Gagliardi A., Ciotoli L., Virga A., Ambrosi C., Pompili M., De Biase R.V., Selan L., Artini M., Pantanella F., Mura F., Passariello C., Nicoletti M., **Nencioni L.**, Trancassini M., Quattrucci S., Schippa S. *Bdellovibrio bacteriovorus* directly attacks *Pseudomonas aeruginosa* and *Staphylococcus aureus* Cystic fibrosis isolates. *Front Microbiol* **2014**: 5, 280. doi: 10.3389/fmicb.2014.00280 (IF/year publication: 3.989; IF 2022: 5.2, Q1; cit. Scopus 76).
 44. 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, 857-865 (IF/year publication: 3.126; IF 2022: 7.9, Q1; cit. Scopus 62).
 45. Scribano D., Petrucca A., Pompili M., Ambrosi C., Bruni E., Zagaglia G., Prosseda G., **Nencioni L.**, Casalino M., Polticelli F., Nicoletti M. Polar localization of PhoN2, a periplasmic virulence-associated factor of *Shigella flexneri*, is required for proper IcsA exposition at the old bacterial pole. *PLoS One* **2014**: 9(2): e90230. doi: 10.1371/journal.pone.0090230 (IF/year publication: 3.234; IF 2022: 3.7, Q1; cit. Scopus 21)
 46. Bozzini T., Botta G., Delfino M., Onofri S., Saladino R., Amatore D., Sgarbanti R., **Nencioni L.**, Palamara A.T. Tyrosinase and Layer-by-Layer supported tyrosinases in the synthesis of lipophilic catechols with antiinfluenza activity. *Bioorg Med Chem.* **2013**: 21(24):7699-708. doi: 10.1016/j.bmc.2013.10.026 (IF/year publication: 2.951; IF 2022: 3.5; Q3; cit. Scopus 27)
 47. Bellizzi A., Anzivino E., Rodio D. M., Cioccolo S., Scrivo R., Morreale M., Pontecorvo S., Ferrari F., Di Nardo G., **Nencioni L.**, Carluccio S., Valesini G., Francia A., Cucchiara S., Palamara A. T., 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* **2013**: 10(1), 298. (IF/year publication: 2.089; IF 2022: 4.8, Q2; cit. Scopus 16).
48. Iebba V., Santangelo F., Totino V., Nicoletti M., Gagliardi A., De Biase R. V., Cucchiara S., **Nencioni L.**, Conte M. P., Schippa S. Higher Prevalence and Abundance of *Bdellovibrio bacteriovorus* in the Human Gut of Healthy Subjects. *PLoS One* **2013**: 8(4), e61608. doi: 10.1371/journal.pone.0061608 (IF/year publication: 3.534; IF 2022: 3.7, Q1; cit. Scopus 96)
 49. Bellizzi A., Anzivino E., Rodio D. M., Palamara A. T., **Nencioni L.***, Pietropaolo V.*. New Insights on Human Polyomavirus JC and Pathogenesis of Progressive Multifocal Leukoencephalopathy. *Clin Dev Immunol* **2013**: doi:10.1155/2013/839719 (IF/year publication: 2.934; IF 2015: 3.603, Q2; cit. Scopus 73) (***co-authors**) (**Last name**)
 50. Ruggieri A., Anticoli S., **Nencioni L.**, Sgarbanti R., Garaci E., Palamara A. T. Interplay Between Hepatitis C Virus and Redox Cell Signaling. *Int J Mol Sci* **2013**: 14, doi:10.3390/ijms140x000x (IF/year publication: 2.339; IF 2022: 5.6, Q1; cit. Scopus 25).
 51. Checconi P., Sgarbanti R., Celestino I., Limongi D., Amatore D., Iuvara A., Alimonti A., Garaci E., Palamara A. T., **Nencioni L.** The environmental pollutant Cadmium promotes influenza virus replication in MDCK cells by altering their redox state. *Int J Mol Sci* **2013**: 14, 4148-4162; doi:10.3390/ijms14024148 (IF/year publication: 2.339; IF 2022: 5.6, Q1; cit. Scopus 34) (**Last name**)
 52. Saladino R., Neri V., Checconi P., Celestino I., **Nencioni L.**, Palamara A. T., Crucianelli M. Synthesis of 2'-Deoxy-1'-homo-N-nucleosides with Anti-Influenza Activity by Catalytic Methyltrioxorhenium (MTO)/H₂O₂ Oxyfunctionalization. *Chemistry-A Eur J* **2013**: 19, 2392-2404; doi 10.1002/chem.201201285 (IF/year publication: 5.696; IF 2022: 4.3, Q2; cit. Scopus 18).
 53. Fioravanti R., Celestino I., Costi R., Cuzzucoli Crucitti G., Pescatori L., Mattiello L., Novellino E., Checconi P., Palamara A. T., **Nencioni L.***, Di Santo R.*. Effects of polyphenol compounds on influenza A virus replication and definition of their mechanism of action. *Bioorg Med Chem* **2012**: 20, 5046-5052 (IF/year publication: 2.903; IF 2022: 3.5; Q3; cit. Scopus 41) (***co-authors**) (**Last name**)
 54. Torcia M. G., **Nencioni L.**, Clemente A. M., Civitelli L., Celestino I., Limongi D., Fadigati G., Perissi E., Cozzolino F., Garaci E., Palamara A. T. 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 (IF/year publication: 3.73; IF 2022: 3.7, Q1; cit. Scopus 106)
 55. **Nencioni L.**, Sgarbanti R., Amatore D., Checconi P., Celestino I., Limongi D., Anticoli S., Palamara A. T., Garaci E. Intracellular redox signaling as therapeutic target for novel antiviral strategy. *Curr Pharm Design* **2011**: 17 (35), 3898-904 (IF/year publication: 3.87; IF 2022: 3.1, Q3; cit. Scopus 45) (**First name**)
 56. Sgarbanti R., **Nencioni L.**, Amatore D., Coluccio P., Fraternali A., Sale P., Mammola C. L., Carpino G., Gaudio E., Magnani M., Ciriolo M. R., Garaci E., Palamara A. T. Redox-regulation of the influenza hemagglutinin maturation process: a new cell-mediated strategy for anti-influenza therapy. *Antioxid Redox Signal* **2011**: 15 (3), 593-606 (IF/year publication: 8.456; IF 2022: 6.6, Q1; cit. Scopus 65).
 57. Matarrese P.*, **Nencioni L.***, Checconi P., Ciarlo L., Gambardella L., Ascione B., Sgarbanti R., Garaci E., Malorni W., Palamara A.T. Pepstatin A alters host cell autophagic machinery and leads to a decrease in influenza A virus production. *J Cell Physiol* **2011**: 226 (12), 3368-77. doi: 10.1002/jcp.22696 (IF/year publication: 3.874; IF 2022: 5.6, Q2; cit. Scopus 30) (***co-authors**) (**First name**)
 58. Passariello C., **Nencioni L.**, Sgarbanti R., Ranieri D., Torrisi M., Ripa S., Garaci E., Palamara A.T. Viral hemagglutinin is involved in promoting the internalisation of

- Staphylococcus aureus* into human pneumocytes during influenza A H1N1 virus infection. *Int J Med Microbiol* **2011**: 301 (2), 97-104 (IF/year publication: 4.173; IF 2022: 4.1, Q3; cit. Scopus 13).
59. Nicoletti, M., Iacobino A., Prosseda G., Fiscarelli E., Zarrilli R., De Carolis E., Petrucca A., **Nencioni L.**, Colonna B., Casalino M. *Stenotrophomonas maltophilia* strains from cystic fibrosis patients: genomic variability and molecular characterization of some virulence determinants. *Int J Med Microbiol* **2011**: 301 (1), 34-43 (IF/year publication: 4.173; IF 2022: 4.1, Q3; cit. Scopus 53).
 60. Saladino R., Barontini M., Crucianelli M., **Nencioni L.**, Sgarbanti R., Palamara A. T. Current Advances in Anti-influenza Therapy. *Curr Med Chem* **2010**: 17, 2101-2140 (IF/year publication: 4.63; IF 2022: 4.1, Q2; cit. Scopus 48).
 61. **Nencioni L.**, De Chiara G., Sgarbanti R., Amatore D., Aquilano K., Marcocci M. E., Serafino A., Torcia M., Cozzolino F., Ciriolo M. R., Garaci E., Palamara A. T. Bcl-2 expression and p38MAPK activity in cells infected with influenza A virus: impact on virally induced apoptosis and viral replication. *J Biol Chem* **2009**: 284 (23), 16004-16015 (IF/year publication: 5.328; IF 2022: 4.8, Q2; cit. Scopus 79) (**First name**)
 62. Fraternali A., Paoletti M. F., Casabianca A., **Nencioni L.**, Garaci E., Palamara A. T., Magnani M. GSH and analogs in antiviral therapy. *Mol Aspects Med* **2009**: 30 (1-2), 99-110 (IF/year publication: 6.492; IF 2022: 10.6, Q1; cit. Scopus 112).
 63. Conti G., Magliani W., Conti S., **Nencioni L.**, Sgarbanti R., Palamara A. T., Polonelli L. Therapeutic Activity of an Anti-Idiotypic Antibody-Derived Killer Peptide against Influenza A Virus Experimental Infection. *Antimicrob Agents Chemother* **2008**: 52, 4331-4337 (IF/year publication: 4.716; IF 2022: 4.9; Q2; cit. Scopus 24).
 64. Saladino R., Gualandi G., Farina A., Crestini C., **Nencioni L.**, Palamara A. T. Advances and challenges in the synthesis of highly oxidised natural phenols with antiviral, antioxidant and cytotoxic activities. *Curr Med Chem* **2008**: 15 (15), 1500-1519 (IF/year publication: 4.823; IF 2022: 4.1, Q2; cit. Scopus 30).
 65. La Regina G., D'Auria F. D., Tafi A., Piscitelli F., Olla S., Caporuscio F., **Nencioni L.**, Cirilli R., La Torre F., De Melo N. R., Kelly S. L., Lamb D. C., Artico M., Botta M., Palamara A. T. 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. *J Med Chem* **2008**: 51 (13), 3841-3855 (IF/year publication: 4.898; IF 2022: 7.3, Q1; cit. Scopus 32).
 66. Di Santo R., Costi R., Roux A., Miele G., Crucitti G. C., Iacovo A., Rosi F., Lavecchia A., Marinelli L., Di Giovanni C., Novellino E., Palmisano L., Andreotti M., Amici R., Galluzzo C. M., **Nencioni L.**, Palamara A.T., Pommier Y., Marchand C. Novel Quinolinonyl Diketo Acid Derivatives as HIV-1 Integrase Inhibitors: Design, Synthesis, Biological Activities. *J Med Chem* **2008**: 51 (15), 4744-4750 (IF/year publication: 4.898; IF 2022: 7.3, Q1; cit. Scopus 53).
 67. Saladino R., Neri V., Farina A., Crestini C., **Nencioni L.**, Palamara A.T. A Novel and Efficient Synthesis of Tocopheryl Quinones by Homogeneous and Heterogeneous Methyltrioxorhenium/Hydrogen Peroxide Catalytic Systems. *Adv Synth Catal* **2008**: 350, 321-331 (IF/year publication: 5.619; IF 2022: 5.4, Q1; cit. Scopus 24).
 68. **Nencioni L.**, Sgarbanti R., De Chiara G., Garaci E., Palamara A.T. Influenza virus and redox mediated cell signaling: a complex network of virus/host interaction. *New Microbiol* **2007**: 30, 367-375 (IF/year publication: 0.956; IF 2022: 1.8, Q4; cit. Scopus 35) (**First name**)
 69. Di Santo R., Costi R., Roux A., Artico M., Lavecchia A., Marinelli L., Novellino E., Palmisano L., Andreotti M., Amici R., Galluzzo C. M., **Nencioni L.**, Palamara A.T., Pommier Y., Marchand C. Novel Bifunctional Quinolononyl Diketo Acid Derivatives as HIV-1 Integrase Inhibitors: Design, Synthesis, Biological Activities, and Mechanism of Action.

- J Med Chem* **2006**: 49, 1939-1945 (IF/year publication: 5.115; IF 2022: 7.3, Q1; cit. Scopus 91).
70. Palamara A.T., **Nencioni L.**, Aquilano K., De Chiara G., Hernandez L., Cozzolino F., Ciriolo M. R., Garaci E. Resveratrol inhibits Influenza A virus replication in vitro and in vivo. *J Infect Dis* **2005**: 191, 1719-1729 (IF/year publication: 4.953; IF 2022: 6.4, Q1; cit. Scopus 203).
 71. Palamara A.T., Brandi G., Rossi L., Millo E., Benatti U., **Nencioni L.**, Iuvara A., Garaci E., Magnani M. New synthetic glutathione derivatives with increased antiviral activities. *Antiv Chem Chemother* **2004**: 15, (2), 83-91 (IF 2001: 1.414; Q2; cit., cit. Scopus 42).
 72. Silvestri R., Artico M., La Regina G., Di Pasquali A., De Martino G., D'auria F.D., **Nencioni L.**, Palamara A.T. Imidazole Analogues of Fluoxetine, a Novel Class of anti-*Candida* Agents. *J Med Chem* **2004**: 47, (16), 3924-3926 (IF/year publication: 5.076; IF 2022: 7.3, Q1; cit. Scopus 54).
 73. **Nencioni L.**, Iuvara A., Aquilano K., Ciriolo M. R., Cozzolino F., Rotilio G., Palamara A.T., Garaci E. Influenza A virus replication is dependent on an antioxidant pathway that involves GSH and Bcl-2. *Faseb J* **2003**: 17, (6), 758-760 (IF/year publication: 7.172; IF 2022: 4.8, Q1; cit. Scopus 118) (**First name**)
 74. Saladino R., Ciambecchini U., **Nencioni L.**, Palamara A.T. Recent Advances in the Chemistry of Parainfluenza-1 (Sendai) Virus Inhibitors. *Medicinal Res Rev* **2003**: 23, (4), 427-455 (IF/year publication: 7.788; IF 2022: 13.3, Q1; cit. Scopus 6).
 75. Torcia M., De Chiara G., **Nencioni L.**, Ammendola S., Labardi D., Lucibello M., Rosini P., Marlier L., Bonini P., Dello Sbarba P., Palamara A.T., Zambrano N., Russo T., Garaci E., Cozzolino F. Nerve growth factor inhibits apoptosis in memory B lymphocytes via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation, and cytochrome c release. *J Biol Chem* **2001**: 276, (42), 39027-39036 (IF/year publication: 7.258; IF 2022: 4.8, Q2; cit. Scopus 116).
 76. Nucci C., Palamara A.T., Ciriolo M.R., **Nencioni L.**, Savini P., D'Agostini C., Rotilio G., Cerulli L., Garaci E. Imbalance in corneal redox state during Herpes Simplex virus 1-induced keratitis in rabbits. Effectiveness of exogenous glutathione supply. *Exp Eye Res* **2000**: 70, 215-220 (IF/year publication: 2.019; IF 2022: 3.4, Q1; cit. Scopus 52).
 77. Torcia M., Lucibello M., De Chiara G., Labardi D., **Nencioni L.**, Bonini P., Garaci E., Cozzolino F. Interferon- α -induced inhibition of B16 melanoma cell proliferation: interference with the bFGF autocrine growth circuit. *Biochem Biophys Res Commun* **1999**: 262 (3), 838-44 (IF/year publication: 3.161; IF 2021: 3.1, Q3; cit. Scopus 19).
 78. Torcia M., Bracci-Laudiero L., Lucibello M., **Nencioni L.**, Labardi D., Rubartelli A., Cozzolino F., Aloe L., Garaci E. Nerve growth factor is an autocrine survival factor for memory B lymphocytes. *Cell* **1996**: 85 (3), 345-56 (IF 1997: 37.297; IF 2022: 64.5, Q1; cit. Scopus 378).
 79. Dello Sbarba P., Rovida E., Caciagli B., **Nencioni L.**, Labardi D., Paccagnini A., Savini L., Cipolleschi M. G. Interleukin-4 rapidly down-modulates the macrophage colony-stimulating factor receptor in murine macrophages. *J Leukoc Biol* **1996**: 60 (5), 644-50 (IF 1997: 3.906; IF 2022: 5.5, Q2; cit. Scopus 15).
 80. Dello Sbarba P., **Nencioni L.**, Labardi D., Rovida E., Caciagli B., Cipolleschi M. G. Interleukin 2 down-modulates the macrophage colony-stimulating factor receptor in murine macrophages. *Cytokine* **1996**: 8 (6), 488-94 (IF 1997: 2.076; IF 2022: 3.8, Q3; cit. Scopus 12).

The research activity also led to the drafting of several manuscripts, including:

- De Angelis M., Anichini G., Palamara A.T., Nencioni L.*, Gori Savellini G.*. Dysregulation of intracellular redox homeostasis by SARS-CoV-2 ORF6 protein. (*co-authors), submitted.

- Percaccio E., De Angelis M., Acquaviva A., Nicotra G., Ferrante C., Di Giacomo S., Nencioni L., Di Sotto A. ECHOPvir: a mixture of echinacea and hop extracts endowed with cytoprotective, immunomodulatory and antiviral properties. Manuscript in preparation.

Editorial Letter on an international journal

1. Sgarbanti R., Amatore D., **Nencioni L.** Host cell redox-regulated pathways as targets for novel anti-influenza strategy. *J Antivir antiretrovir*, Editorial letter. **2014**: 6(3), doi:10.4172/jaa.1000e118.

Book chapters

1. Palamara A.T., **Nencioni L.** *Orthomyxoviridae*. In: Carlone N., Pompei Microbiologia Farmaceutica. 2020 III ed.: sez. II – Microbiologia Speciale, cap. 49. ISBN: 978-8836230211
2. Palamara A.T., **Nencioni L.** *Orthomyxoviridae*. In: Carlone N., Pompei Microbiologia Farmaceutica. 2013 II ed.: sez. II – Microbiologia Speciale, cap. 49. ISBN: 978-8879597364
3. Palamara A.T., **Nencioni L.**, Sgarbanti R., Garaci E. GSH, GSH derivatives, and antiviral activity. In: Masella R., Mazza G. Glutathione and Sulfur Amino Acids in Human Health and Disease. 2009: part VI, cap. 20, 503-518 Wiley Online Library, ID Scopus: 2-s2.0-84889841572, ISBN: 978-0470170854 (cit. Scopus 1)

Proceedings of the congress on journal

1. Celestino I., Brundu S., Sgarbanti R., Amatore R., Coluccio P., Magnani M., Palamara A.T., Fraternali A., **Nencioni L.** Set up of a murine model of influenza virus infection to evaluate the effect of GSH-C4, a glutathione derivative, on the host immune response. *New Microbiol* **2014**: 37 (Suppl. 1), 186
2. Marcocci M.E., Di Sotto A., Toniolo C., Rotino G. L., Nicoletti M., Mazzanti G., **Nencioni L.** Treatment with eggplant extracts inhibits in vitro herpes simplex type I virus infection. *New Microbiol* **2014a**: 37 (Suppl. 1), 152
3. Marcocci M.E., Villa S., Mangoni M.L., **Nencioni L.** Treatment with a peptide isolated from frog skin secretion is able to inhibit in vitro herpes simplex type I virus infection. *New Microbiol* **2014b**: 37 (Suppl. 1), 155
4. Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., Ciriolo M.R., Garaci E., **Nencioni L.**, Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. *New Microbiol* **2014**: 37 (Suppl. 1), 188
5. Timpanaro R., Bisignano B., Bonaccorso C., Garozzo A., Stivala A., Saladino R., **Nencioni L.**, Tempera G. Antiviral mechanism of action of a new catechol derivative HPPA11A (R3) against herpes simplex type I (HSV-1). *New Microbiol* **2014**: 37 (Suppl. 1), 162
6. Bonaccorso C., Stivala A., Bisignano B., Timpanaro R., Garozzo A., Saladino R., **Nencioni L.**, Tempera G. In vitro activity of a novel class of lipophilic catechols against *Chlamydia trachomatis*. *New Microbiol* **2014**: 37 (Suppl. 1), 118
7. Ruggieri A., Anticoli S., Amatore D., Matarrese P., Celestino, I., **Nencioni L.**, Palamara A.T. Garaci E. Modulation of intracellular redox state by HCV concurs to establish chronic infection of liver cell cultures. *New Microbiol* **2014**: 37 (Suppl. 1), 37
8. Bellizzi A., Anzivino E., Rodio D.M., Cioccolo S., Morreale M., Pontecorvo S., Carluccio S., Nencioni L., Francia A., Palamara A.T., Pietropaolo V. Human Polyomavirus JC monitoring and noncoding control region analysis in dynamic cohorts of individuals affected by multiple

- sclerosis under treatment with natalizumab: an observational study. *J Neurovirol* **2013a**: 19 (Suppl. 1), S12
9. Bellizzi A., Anzivino E., Rodio D.M., Scrivo R., Morreale M., **Nencioni L.**, Di Nardo G., Valesini G., Francia A., Palamara A.T., Pietropaolo V. Analysis of polyomavirus JC noncoding control region rearrangements in autoimmune diseases during treatment with natalizumab and anti-TNF agents. *J Neurovirol* **2013b**: 19(3), 291
 10. Scrivo R., Bellizzi A., Magrini L., Anzivino E., Rodio D.M., Morreale M., **Nencioni L.**, Francia A., Palamara A.T., Pietropaolo V., Valesini G. Analisi molecolare della regione genomica di controllo della trascrizione genica del Polyomavirus umano JC in pazienti trattati con farmaci biologici: dati preliminari di uno studio longitudinale. *REUMATISMO* **2013**: 65 (Suppl. 3), 402
 11. Sgarbanti R., **Nencioni L.**, Macri G., Nucci C., Benatti U., Magnani M., Garaci E., Palamara A.T. Antiviral Activity of a Derivative of Glutathione in HSV-1-Induced Keratitis in Rabbits. *Antiviral Res* **2006**: 70, issue 1, A70
 12. Di Santo R. Costi R., Roux A., Forte M., Artico M., Lavecchia A., Novellino E., Palmisano L., Galluzzo M.C., Andreotti M., Vella S., **Nencioni L.**, Palamara A.T., Marchand C., Pommier Y. Docking studies on bifunctional quinolinyl diketo acids as HIV-1 integrase inhibitors. *Proceedings of the Joint Meeting on Medicinal Chemistry* **2005**: 87-90
 13. Torcia M., De Chiara G., Rosini P., **Nencioni L.**, Lucibello M., Garaci E., Cozzolino F. Nerve growth factor inhibits apoptosis via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation and cytochrome c release. *Mol Biol Cell* **2000**: 11 (Suppl. S), 38A

Communications/Poster at national and international congresses.

1. Radocchia G., De Angelis M., Barbieri F., Martina M.G., Radi M., Schippa S., **Nencioni L.** Bithiazole compounds in the treatment of virus/bacteria co-infections. 51° Congresso Nazionale della Società Italiana di Microbiologia. Cagliari, 24-27 settembre 2023.
2. Casciaro B., De Angelis M., Brancaccio D., Carotenuto A., Marcocci M.E., **Nencioni L.**, Mangoni M.L. Temporin B and G, frog-skin antimicrobial peptides with promising antiviral activity against Herpes Simplex and Influenza viruses. IMAP 2023, 10th International Meeting on Antimicrobial Peptides. Trieste, Italy, September 6-8, 2023.
3. De Angelis M., Gori Savellini G., Fraternali A., Mai A., Palamara A.T., **Nencioni L.** Nrf2 activators as innovative cell-targeted approaches against respiratory virus infections. 7th National Congress of the Italian Society for Virology. Brescia 25-27 giugno 2023.
4. De Angelis M., Rondinone A., Esposito O., Toscanelli W., Rotili D., Fraternali A., Mai A., Palamara A.T., **Nencioni L.** Evaluation of Nrf2 activators against coronavirus and influenza virus infections. Congresso Nazionale della Nuova Società Italiana di Microbiologia Farmaceutica ets, Roma 23-24 giugno 2023.
5. Salvemme A., Čurtović I., Passerini S., Miteva M.T., Protto V., De Chiara G., Mangoni M.L., Pietropaolo V.A., **Nencioni L.**, Palamara A.T., Marcocci M.E. Antiviral effect of Bombinin H2 against enveloped and naked viruses. Congresso Nazionale della Nuova Società Italiana di Microbiologia Farmaceutica ets. Roma 23-24 giugno 2023.
6. Fioravanti R., Fiorentino F., Mai A., Marcocci M.E., **Nencioni L.**, Palamara A.T., Rotili D., Simonetti G., Valente S., Zwergel C. Role of epigenetic modulators in infectious diseases. Congresso Nazionale della Nuova Società Italiana di Microbiologia Farmaceutica ets. Roma, Italia, 23-24 giugno 2023.
7. **Nencioni L.** Modulatore epigenetico nel controllo della replicazione virale e della risposta della cellula ospite. 50° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 18-21 Settembre 2022. **Invited speaker**
8. De Angelis M., Gori Savellini G., Amatore D., De Santis R., Crinelli R., Fraternali A., Cusi M. G., Lista F.R., Magnani M., Palamara A.T., **Nencioni L.** Exploring the Nrf2-mediated

- antioxidant pathway and the potential use of redox- modulating compounds during respiratory virus infections. 50° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 18-21 Settembre 2022.
9. Toscanelli W., De Angelis M., Palamara A.T., **Nencioni L.** Influenza virus-induced APE1 downregulation: implications for Nrf2 pathway and host immune response. 50° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 18-21 Settembre 2022.
 10. Salvemme A., Čurtović I., Passerini S., Prezioso C., Miteva M.T., Protto V., De Chiara G., Mangoni M.L., Pietropaolo V.A., **Nencioni L.**, Palamara A.T., Marcocci M.E. Antiviral effect of bombinin H2/H4 against enveloped and naked viruses. 50° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 18-21 Settembre 2022.
 11. Marinelli A. M., Limongi D., Prezioso C., De Angelis M., **Nencioni L.**, Palamara A.T., Checconi P. Evaluation of redox state alterations in influenza A virus-infected neuronal cells: involvement in neurotropism. 50° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 18-21 Settembre 2022.
 12. De Angelis M., Gori Savellini G., Palamara A.T., Cusi M.G., **Nencioni L.** Dissecting the Nrf2 pathway and its impact on the redox changes and the inflammatory response upon SARS-CoV-2 and influenza virus infections. 6th National Congress of the Italian Society for Virology. Napoli, Italia, 3-5 luglio 2022
 13. Toscanelli W., Oliveto G., De Angelis M., Scagnolari C., Palamara A.T., Pierangeli A., **Nencioni L.** The Nrf2 antioxidant response is down-modulated in under 10-years old children positive to SARS-CoV2: negative correlation with the class I and III Interferon (INF) gene expression. 6th National Congress of the Italian Society for Virology. Napoli, Italia, 3-5 luglio 2022
 14. Čurtović I., Protto V., Miteva M.T., De Chiara G., Mangoni M.L., **Nencioni L.**, Palamara A.T., Marcocci M.E. In vitro antiviral effects of bombinin H2/H4 against enveloped viruses. 6th National Congress of the Italian Society for Virology. Napoli, Italia, 3-5 luglio 2022.
 15. **Nencioni L.** Titolo della comunicazione: Redox-modulating agents in the treatment of viral infections. 23rd Virtual Meeting Paris Redox, 13-15 October 2021. **Invited speaker**
 16. Toscanelli W., De Angelis M., Palamara A.T., **Nencioni L.** Role of NRF2, G6PD and APE1 in the regulation of influenza virus replication and virus-induced inflammatory response. 49° Congresso Nazionale della Società Italiana di Microbiologia. Virtual congress 16-17 settembre 2021
 17. De Angelis M., Amatore D., De Santis R., Crinelli R., Fraternali A., Magnani M., Lista F.R., Palamara A.T., **Nencioni L.** Redox-modulating compounds in the treatment of coronavirus and influenza virus infections. 49° Congresso Nazionale della Società Italiana di Microbiologia. Virtual congress 16-17 settembre 2021
 18. De Angelis M., Amatore D., Checconi P., De Chiara G., Palamara A.T., **Nencioni L.** Nrf2 and G6PD as key players in modulating cell antioxidant response and influenza virus replication. 5th National Congress of the Italian Society for Virology. Webinar 5-6-luglio 2021.
 19. De Angelis M., Amatore D., Di Martino A., Pacifici F., Checconi P., Fraternali A., De Santis R., Magnani M., Stefanelli P., Della Morte D., Lista F.R., **Nencioni L.**, Palamara A.T. ACE2: a key factor in regulating SARS-CoV-2 and influenza virus infection. 5th National Congress of the Italian Society for Virology. Webinar 5-6-luglio 2021. **Invited speaker**
 20. Viscido A., Toscanelli W., Oliveto G., Nenna R., De Angelis M., Midulla F., Antonelli G., Palamara A.T., Pierangeli A., Scagnolari C., **Nencioni L.** 5th National Congress of the Italian Society for Virology. Webinar 5-6-luglio 2021.
 21. De Angelis M., Pacifici F., Di Martino A., Toscanelli W., Stefanelli P., Della Morte D., Palamara A.T., **Nencioni L.** Valutazione dell'efficacia antivirale di derivati stilbenici nel trattamento delle infezioni da virus respiratori XIII Congresso Società Italiana di Microbiologia Farmaceutica. Virtual Congress, 28-29 giugno 2021.

22. Percaccio E., De Angelis M., **Nencioni L.**, Di Sotto A. Studio delle proprietà citoprotettive, antivirali e immunomodulanti di una miscela di estratti di luppolo (*Humulus lupulus* L.) ed echinacea (*Echinacea purpurea* (L.) Moench). XXVIII Congresso Nazionale di Fitoterapia. Virtual congress, 21-23 maggio 2021.
23. De Angelis M., Protto V., Pacifici F., Di Martino A., De Chiara G., Stefanelli P., Garaci E., Della Morte D., Palamara A.T., **Nencioni L.** ACE2-modulating compounds for the treatment of respiratory viral infections. 48° Congresso Nazionale della Società Italiana di Microbiologia. Virtual Congress 21-22 settembre 2020.
24. Kolesova O., D'alonzo Mi., Bizzarri B.M., Protto V., De Angelis M., De Chiara G., Palamara A.T., Saladino R., **Nencioni L.**, Marcocci M.E. GT-2.9, a synthetic resveratrol derivative, inhibits herpes simplex virus type 1 (HSV-1) life-cycle in different in vitro HSV-1 infection models. 48° Congresso Nazionale della Società Italiana di Microbiologia. Virtual Congress 21-22 settembre 2020.
25. De Angelis M., Checconi P., Limongi D., Palamara A.T., **Nencioni L.** Nuove strategie per la lotta al virus di origine umana e animale, nell'ambito delle sostanze naturali, tra cui gli oli essenziali. Virtual Meeting SIROE 2020, 25 Settembre 2020. **Invited speaker**
26. **Nencioni L.** Influenza virus infection: state of the art. 47° Congresso Nazionale della Società Italiana di Microbiologia. Roma, Italia, 18-21 settembre 2019. **Invited speaker**
27. Genovese A., De Angelis M., Allegretti A., Dolfa C., Casciaro B., Mangoni M.L., Marcocci M.E., **Nencioni L.** Temporin G, an amphibian antimicrobial peptide, effective against influenza and parainfluenza viruses. 47° Congresso Nazionale della Società Italiana di Microbiologia. Roma, Italia, 18-21 settembre 2019.
28. De Angelis M., Checconi P., Allegretti A., Dolfa C., Genovese A., Amatore D., Palamara A.T., **Nencioni L.** Influenza virus modulates G6PD enzyme to control its replication and host response. 47° Congresso Nazionale della Società Italiana di Microbiologia. Roma, Italia, 18-21 settembre 2019.
29. Jackowska B.G., Prezioso C., D'Alonzo M., Casciaro B., Pietropaolo V.A., Palamara A.T., Mangoni M.L., **Nencioni L.**, Marcocci M.E. Temporin G and B as new potent antiviral agents against HSV-1. 47° Congresso Nazionale della Società Italiana di Microbiologia. Roma, Italia, 18-21 settembre 2019.
30. De Angelis M., Amatore D., Checconi P., Cicchetti A., Palamara A.T., **Nencioni L.** G6PD deficiency and the redox imbalance: new insights into the susceptibility and the immune response to influenza A virus. 46° Congresso Nazionale della Società Italiana di Microbiologia. Palermo, Italia, 26-29 settembre 2018.
31. Checconi P., Limongi D., Baldelli S., De Angelis M., Celestino I., **Nencioni L.**, Palamara A.T. Replication ability of influenza A viruses in macrophages: possible correlation with intracellular redox state. 46° Congresso Nazionale della Società Italiana di Microbiologia. Palermo, Italia, 26-29 settembre 2018.
32. De Angelis M., Bua G., Palamara A.T., Gallinella G., **Nencioni L.** Could Parvovirus B19 infection modulate intracellular redox state? 46° Congresso Nazionale della Società Italiana di Microbiologia. Palermo, Italia, 26-29 settembre 2018.
33. Franci G., Palomba L., Zannella C., Merlino F., Mangoni M.L., **Nencioni L.**, Palamara A.T., Della Rocca M.T., Melardo C., Chianese A., Falanga A., Galdiero S., Grieco P., Galdiero M. The amphibian antimicrobial peptide temporin L inhibits in vitro herpes simplex virus type 1 infection, a continuous story. 46° Congresso Nazionale della Società Italiana di Microbiologia. Palermo, Italia, 26-29 settembre 2018.
34. De Angelis M., **Nencioni L.** Role of G6PD activity in regulating influenza virus replication. XV FISV Congress - Federazione Italiana Scienze della Vita. Roma, Italia, 18-21 settembre 2018.
35. Checconi P., De Angelis M., Di Sotto A., Celestino I., Locatelli M., Carissimi S., Limongi D., Di Giacomo S., Palamara A.T., **Nencioni L.** *Humulus lupulus* inflorescence extract as

- promising antiviral remedy against influenza infection. XII Congresso Società Italiana di Microbiologia Farmaceutica. Camerino, Italia, 21-22 giugno 2018.
36. Di Sotto A., Celestino I., Toniolo C., Abete L., Di Giacomo S., Nicoletti M., Mazzanti G., **Nencioni L.** Antiviral and antioxidant activity of a hydroalcoholic extract from *Humulus lupulus* L. 38° Congresso della Società Italiana di Farmacologia. Rimini, Italia, 25-28 Ottobre 2017.
 37. Celestino I., Checconi P., Rossi V., Toniolo C., Abete L., Di Giacomo S., Nicoletti M., Mazzanti G., Di Sotto A., **Nencioni L.** Antiviral and antioxidant activity of a hydroalcoholic extract from *Humulus lupulus* L. 45° Congresso Nazionale della Società Italiana di Microbiologia. Genova, Italia, 27-30 Settembre 2017.
 38. Amatore D., Presta F., Marcocci M.E., Palamara A.T., **Nencioni L.** Role of G6PD activity in regulating influenza virus replication. 6th European Congress of Virology. Hamburg, Germany, October 19-22, 2016.
 39. Brundu S., Amatore D., Celestino I., Galluzzi L., Coluccio P., Magnani M., Palamara A.T., Fraternali A., **Nencioni L.** Efficacy of GSH-C4 treatment on the host immune response in an aged murine model of influenza virus infection. V° International Influenza Meeting. Munster, Germany, September 25-27, 2016.
 40. Amatore D., Presta F., Marcocci M.E., Palamara A.T., **Nencioni L.** Role of G6PD activity in regulating influenza virus replication. 44° Congresso Nazionale della Società Italiana di Microbiologia. Pisa, Italia, 25-28 Settembre 2016.
 41. Marcocci M.E., Villa S., Amatore D., Fabiani M., De Chiara G., Mangoni M.L., **Nencioni L.** Temporin B, an amphibian antimicrobial peptide, is able to inhibit in vitro herpes simplex type I virus infection. 43° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 27-30 Settembre 2015.
 42. Amatore D., Presta F., Marcocci M.E., Palamara A.T., **Nencioni L.** Low glucose in the host cell impairs influenza virus replication. 43° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 27-30 Settembre 2015.
 43. Limongi D., D'Agostini C., Garaci E., Palamara A.T., **Nencioni L.**, Ciotti M. Serum total antioxidant capacity in patients with Hepatitis C. 43° Congresso Nazionale della Società Italiana di Microbiologia. Napoli, Italia, 27-30 Settembre 2015.
 44. Di Giacomo S., Marcocci M.E., Toniolo C., Rotino G.L., Vitalone A., Nicoletti M., Mazzanti G., **Nencioni L.**, Di Sotto A. Antioxidant activity and antiherpetic effects of a *Solanum melongena* L. genotype. 37° Congresso della Società Italiana di Farmacologia. Napoli, Italia, 27-30 Ottobre 2015.
 45. Celestino I., Brundu S., Sgarbanti R., Amatore R., Coluccio P., Magnani M., Palamara A.T., Fraternali A., **Nencioni L.** Set up of an aged murine model of influenza virus infection to evaluate the effect of GSH-C4, a glutathione derivative, on the host immune response. 6° Congresso Nazionale della Società Italiana di Virologia Medica. Roma, Italia, 10-12 Dicembre 2014.
 46. Marcocci M.E., Villa S., Mangoni M.L., **Nencioni L.** Treatment with a peptide isolated from frog skin secretion is able to inhibit in vitro herpes simplex type I virus infection. 6° Congresso Nazionale della Società Italiana di Virologia Medica. Roma, Italia, 10-12 Dicembre 2014.
 47. Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., Ciriolo M.R., Garaci E., **Nencioni L.**, Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. 6° Congresso Nazionale della Società Italiana di Virologia Medica. Roma, Italia, 10-12 Dicembre 2014.
 48. Ruggieri A., Anticoli S., Amatore D., Matarrese P., Tommasino C., Celestino, I., **Nencioni L.**, Malorni W., Palamara A.T. Alterations of the intracellular redox state by hepatitis C virus infection cooperate to establish persistent infection in human liver cell cultures. 6° Congresso Nazionale della Società Italiana di Virologia Medica. Roma, Italia, 10-12 Dicembre 2014.

49. Celestino I., Brundu S., Sgarbanti R., Amatore D., Magnani M., Palamara A.T., Fraternali A., **Nencioni L.** Set up of an aged murine model of influenza virus infection to evaluate the effect of GSH-C4, a glutathione derivative, on the host immune response. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
50. Marcocci M.E., Villa S., Mangoni M.L., **Nencioni L.** Treatment with a peptide isolated from frog skin secretion is able to inhibit in vitro herpes simplex type I virus infection. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
51. Marcocci M.E., Di Sotto A., Toniolo C., Rotino G. L., Nicoletti M., Mazzanti G., **Nencioni L.** Treatment with eggplant extracts inhibits in vitro herpes simplex type I virus infection. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
52. Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., Ciriolo M.R., Garaci E., **Nencioni L.**, Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by Nox4-derived ROS. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
53. Ruggieri A., Anticoli S., Amatore D., Matarrese P., Celestino I., **Nencioni L.**, Palamara A.T., Garaci E. Modulation of intracellular redox state by HCV concurs to establish chronic infection of liver cell cultures. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
54. Timpanaro R., Bisignano B., Bonaccorso C., Garozzo A., Stivala A., Saladino R., **Nencioni L.**, Tempera G. Antiviral mechanism of action of a new catechol derivate HPPA11A (R3) against herpes simplex type I (HSV-1). 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
55. Bonaccorso C., Stivala A., Bisignano B., Timpanaro R., Garozzo A., Saladino R., **Nencioni L.**, Tempera G. In vitro activity of a novel class of lipophilic catechols against *Chlamydia trachomatis*. 42° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 29 Settembre - 1 Ottobre 2014.
56. Palamara A.T., Sgarbanti R., Amatore D., Celestino I., Fraternali A., Magnani M., Garaci E., **Nencioni L.** Is it possible to fight influenza by targeting intracellular redox state? Fifth ESWI Influenza Conference. Riga, Latvia, September 14-17, 2014.
57. Ruggieri A., Anticoli S., Amatore D., Matarrese P., Celestino, I., **Nencioni L.**, Palamara A.T. Garaci E. Modulation of intracellular redox state by HCV concurs to establish chronic infection of liver cell cultures. 12th Annual Congress of the Italian Society for Virology. Orvieto (TR), Italy, September 22-24, 2014.
58. Sgarbanti R., Amatore D., Celestino I., **Nencioni L.**, Garaci E., Palamara A.T. Is it possible to fight influenza by targeting intracellular redox state? Gordon Research Conference "Biology of acute respiratory infection". Lucca, Italy, February 23-28, 2014.
59. Celestino I., Coluccio P., Garaci E., Palamara A.T., **Nencioni L.** Lo stato redox regola la differente risposta all'infezione da virus influenzale nei due sessi. 41° Congresso Nazionale della Società Italiana di Microbiologia. Riccione (RN), Italia, 13-16 Ottobre 2013.
60. Aleandri M., Conte M.P., Simonetti G., Panella S., Celestino I., Checconi P., Longhi C., Garaci E., Palamara A.T., Schippa S., **Nencioni L.** L'infezione di cellule intestinali con il virus influenzale A promuove l'adesività di ceppi *E. coli* isolati da pazienti con malattia di Crohn. 41° Congresso Nazionale della Società Italiana di Microbiologia. Riccione (RN), Italia, 13-16 Ottobre 2013. **Award for the best poster presented to the Congress**
61. Limongi D., Iebba V., Bellizzi A., Pietropaolo V., Palamara A.T., Schippa S., **Nencioni L.** Correlazione tra presenza di virus influenzali e aumento di *E. coli* in campioni biotici prelevati da pazienti pediatrici con morbo di Crohn. 41° Congresso Nazionale della Società Italiana di Microbiologia. Riccione (RN), Italia, 13-16 Ottobre 2013.

62. Timpanaro R., Bisignano B., Garozzo A., Saladino R., **Nencioni L.**, Tempera G. Attività antivirale di derivati catecolici di nuova sintesi. 41° Congresso Nazionale della Società Italiana di Microbiologia. Riccione (RN), Italia, 13-16 Ottobre 2013.
63. Bellizzi A., Anzivino E., Rodio D.M., Cioccolo S., Scrivo R., Morreale M., Ferrari F., Di Nardo G., **Nencioni L.**, Cucchiara S., Francia A., Valesini G., Palamara A.T., Pietropaolo V. Polyomavirus JC monitoring and regulatory region analysis in dynamic cohorts of immune-mediated diseases treated with biologics: an observational study. 41° Congresso Nazionale della Società Italiana di Microbiologia. Riccione (RN), Italia, 13-16 Ottobre 2013.
64. Amatore D., Sgarbanti R., **Nencioni L.**, Ciriolo M.R., Garaci E., Palamara A.T. Influenza virus and intracellular redox state: characterization of redox sensitive molecular targets for innovative antiviral strategies. 2nd Antivirals congress, Cambridge, Boston, USA, November 11-13, 2012.
65. **Nencioni L.**, Celestino I., Amatore D., Sgarbanti R., Garaci E., Palamara A. T. Lo stato redox regola la suscettibilità dell'ospite all'infezione da virus influenzale. 40° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 7-10 Ottobre 2012. **Invited speaker**
66. Aleandri M., Longhi C., Simonetti G., Schippa S., Conte M. P., **Nencioni L.**, Palamara A. T. L'infezione di cellule intestinali caco-2 con il virus influenzale a promuove l'adesività di ceppi e. Coli isolati da pazienti con malattia di Crohn. 40° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 7-10 Ottobre 2012.
67. Ruggieri A., Anticoli S., Piscitelli F., Silvestri R., **Nencioni L.**, Palamara A. T. A new allosteric inhibitor of the hepatitis C virus NS5B polymerase is effective on HCV replication in infected cell culture system. 11th National Congress of the Italian Society for Virology. Orvieto (TR), Italy, September 17-19, 2012.
68. Sgarbanti R., Amatore D., Limongi D., **Nencioni L.**, Baldelli S., Aquilano K., Ciriolo M. R., Garaci E., Palamara A. T. Influenza virus and intracellular redox state: characterization of redox sensitive molecular targets for innovative antiviral strategies. Influenza 2012: One Influenza, One world. St Hilda's College, Oxford, UK, September 11-13, 2012.
69. Fioravanti R., Celestino I., Costi R., Crucitti Cuzzucoli G., Pescatori L., Checconi P., Palamara A. T., **Nencioni L.**, Di Santo R.. Polyphenols as anti-influenza A agents. 21st National Meeting on Medicinal Chemistry. Palermo, Italy, July 17-20, 2012.
70. **Nencioni L.**, Celestino I., Civitelli L., Limongi D., Clemente A., Gambardella L., Matarrese P., Malorni W., Torcia M., Cozzolino F., Palamara A.T., Garaci E. Differenze di genere nella risposta alle infezioni virali: studio dei meccanismi coinvolti. 39° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 3-6 Ottobre 2011. **Invited speaker**
71. Checconi P., Panella S., Simonetti G., Garaci E., Palamara A. T., **Nencioni L.** Ruolo dell'autofagia nel ciclo replicativo del virus influenzale. 39° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 3-6 Ottobre 2011.
72. Aleandri M., Conte M. P., Schippa S., Longhi C., Simonetti G., **Nencioni L.**, Palamara A. T. Il virus influenzale aumenta l'adesività di ceppi *Escherichia coli* isolati da pazienti affetti da malattia di Crohn in cellule intestinali. 39° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 3-6 Ottobre 2011.
73. Panella S., Simonetti G., Margiotti K., **Nencioni L.**, Mai A., Fazio V. M., Palamara A. T. L'acido anacardico inibisce la replicazione del virus influenzale ed induce l'espressione differenziale di geni correlati al segnale NF-kB in cellule infettate. 39° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 3-6 Ottobre 2011.
74. Sgarbanti R., Amatore D., **Nencioni L.**, Coluccio P., Garaci E., Palamara A. T. Redox regulation of the influenza hemagglutinin maturation process: a new cell mediated strategy for antinfluenza therapy. Cell Symposia. Influenza: translating basic insights. Washington DC, USA, 2-4 December, 2010.

75. Sgarbanti R., Amatore D., **Nencioni L.**, Coluccio P., Garaci E., Palamara A. T. Redox regulation of the influenza hemagglutinin maturation process: a new cell mediated strategy for antinfluenza therapy. Antivirals Congress. Amsterdam, The Netherlands, 7-9 November, 2010.
76. Checconi P., **Nencioni L.**, Sgarbanti R., Celestino I., Garaci E., Palamara A. T. Il cadmio: un contaminante ambientale che aumenta la suscettibilità cellulare all'infezione da virus influenzale. 38° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 17-20 Ottobre 2010.
77. Palamara A. T., Amatore D., Sgarbanti R., Garaci E., **Nencioni L.** Nuove prospettive in tema di farmaci anti-virus influenzale. 38° Congresso della Società Italiana di Microbiologia. Riccione (RN), Italia, 17-20 Ottobre 2010.
78. Checconi P., **Nencioni L.**, Matarrese P., Ciarlo L., Malorni W., Garaci E., Palamara A.T. Il processo autofagico nel ciclo replicativo del virus influenzale. VIII Congresso Nazionale della Società Italiana di Microbiologia Farmaceutica. Alghero (SS), Italia, 21-22 Maggio 2010.
79. Amatore D., **Nencioni L.**, Sgarbanti R., Aquilano K., Ciriolo M. R., Garaci E., Palamara A. T. Influenza virus and intracellular redox state: characterization of redox-sensitive molecular targets for innovative antiviral strategies. 4° Congresso Nazionale della Società Italiana di Virologia Medica. Milano, Italia, 5-7 Maggio 2010.
80. Checconi P., **Nencioni L.**, Matarrese P., Ciarlo L., Malorni W., Garaci E., Palamara A. T. Ruolo dell'autofagia nella patogenesi delle infezioni da influenza virus: spunti per l'individuazione di strategie antiinfluenzali innovative. 37° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 11-14 Ottobre, 2009.
81. Simonetti G., Panella S., **Nencioni L.**, Mai A., Garaci E., Palamara A. T. Inibitori delle istone deacetilasi di classe II riducono la replicazione del virus influenzale in vitro. 37° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 11-14 Ottobre, 2009.
82. Celestino I., **Nencioni L.**, Di Santo R., Costi R., Garaci E., Palamara A. T. Studio dell'attività antivirale di analoghi del resveratrolo in un modello sperimentale in vitro di infezione da virus influenzale A. 37° Congresso Nazionale della Società Italiana di Microbiologia. Torino, Italia, 11-14 Ottobre, 2009.
83. Amatore D., Sgarbanti R., **Nencioni L.**, Garaci E., Palamara A. T. Ruolo del reticolo endoplasmatico nello stress ossidativo indotto dal virus influenzale. Giornate del Dipartimento di Scienze di Sanità Pubblica "G. Sanarelli". Roma, Italia, 20-21 Gennaio 2009.
84. Di Vincenzo N., Simonetti G., Passariello C., **Nencioni L.**, Panella S., Mai A., Garaci E., Palamara A. T. Modulatori epigenetici: potenziali target per strategie terapeutiche innovative. Giornate del Dipartimento di Scienze di Sanità Pubblica "G. Sanarelli". Roma, Italia, 20-21 Gennaio 2009.
85. Checconi P., **Nencioni L.**, Matarrese P., Ciarlo L., Malorni W., Palamara A. T. Attivazione dei processi autofagici in corso di infezione da virus influenzale A. Giornate del Dipartimento di Scienze di Sanità Pubblica "G. Sanarelli". Roma, Italia, 20-21 Gennaio 2009.
86. Sgarbanti R., **Nencioni L.**, Amatore D., Magnani M., Garaci E., Palamara A.T. Efficacia anti-influenzale del GSH-C4: il folding dell'emoagglutinina come target terapeutico innovativo. Giornate del Dipartimento di Scienze di Sanità Pubblica "G. Sanarelli". Roma, Italia, 20-21 Gennaio 2009.
87. Amatore D., Sgarbanti R., **Nencioni L.**, Aquilano K., Ciriolo M. R., Garaci E., Palamara A. T. Ruolo del reticolo endoplasmatico nello stress ossidativo indotto dal virus influenzale. 36° Congresso Nazionale della Società Italiana di Microbiologia. Roma, Italia, 12-15 Ottobre, 2008.
88. Amatore D., **Nencioni L.**, Sgarbanti R., Aquilano K., Ciriolo M. R., Palamara A. T. Definizione dei pathways redox-sensibili nella replicazione del virus influenzale A. 3° Congresso Nazionale della Società Italiana Virologia Medica. Roma, Italia, 6-8 Maggio, 2008.
89. Oddi G., Sgarbanti R., **Nencioni L.**, Valeri M., D'Amore M., Palamara A. T. Attività antivirale di un derivato del glutatione (GSH-C4) in un modello sperimentale murino di infezione da virus

- influenzale di tipo A. 3° Congresso Nazionale della Società Italiana Virologia Medica. Roma, Italia, 6-8 Maggio, 2008.
90. Sgarbanti R., **Nencioni L.**, Magnani M., Garaci E., Palamara A. T. Il GSH-C4 inibisce la replicazione del virus influenzale di tipo A interferendo con il processo di maturazione dell'emoagglutinina. 35° Congresso Nazionale della Società Italiana di Microbiologia. Catania, Italia, 30 Settembre - 3 Ottobre 2007.
 91. Palamara A.T., **Nencioni L.** Intracellular signals and influenza virus pathogenesis. International Workshop "Avian Influenza and pandemic risk". ISS, Roma, Italia, 19 Ottobre 2006.
 92. Sgarbanti R., **Nencioni L.**, Magnani M., Garaci E., Palamara A. T. GSH-C4: un derivato del glutatione con potente attività antivirale. 34° Congresso Nazionale della Società Italiana di Microbiologia. Genova, Italia, 15-18 Ottobre 2006.
 93. Palamara A. T., **Nencioni L.**, Sgarbanti R., Garaci E. Virus influenzale: patogenicità per l'uomo e possibili strategie terapeutiche. 34° Congresso Nazionale della Società Italiana di Microbiologia. Genova, Italia, 15-18 Ottobre 2006.
 94. Sgarbanti R., **Nencioni L.**, Macrì G., Nucci C., Benatti U., Magnani M., Garaci E., Palamara A. T. Attività antivirale di un derivato del glutatione in un modello sperimentale di cheratite erpetica nel coniglio. 3° Congresso Nazionale della Società Italiana di Microbiologia Farmaceutica. Nora, Cagliari, Italia, 25-27 Maggio 2006.
 95. Sgarbanti R., **Nencioni L.**, Macrì G., Nucci C., Benatti U., Magnani M., Garaci E., Palamara A.T. Antiviral activity of a derivative of glutathione in HSV 1-induced keratitis in rabbits. 19th International Conference on Antiviral Research. San Juan, Puerto Rico, May 7-11, 2006.
 96. **Nencioni L.**, De Chiara G., Sgarbanti R., Marcocci ME., Garaci E., Palamara A.T. p38MAPK/Bcl-2 interaction regulates influenza A-induced apoptosis and viral replication. Keystone Symposia "Advances in Influenza Research: From Birds to Bench to Bedside". Steamboat Springs, Colorado, March 28 - April 2, 2006.
 97. **Nencioni L.**, Iuvara A., Sgarbanti R., Garaci E., Palamara A.T. Attività antivirale di S-Acetylglutathione sull'infezione da virus influenzale A PR8. 2° Congresso Nazionale della Società Italiana di Microbiologia Farmaceutica. Napoli, Italia, 19-20 Ottobre, 2005. **Oral communication**
 98. Palamara A.T., **Nencioni L.**, Sgarbanti R., Febbraro G., D'Agostini C., Mattei M., Garaci E. Studio dell'efficacia di Bis-(1-Hydroxy-2,2,6,6,-tetramethyl-4-piperidinyloxy)decandioate in un modello murino di shock settico. 33° Congresso della Società Italiana di Microbiologia. Napoli, Italia, 16-19 Ottobre, 2005.
 99. Palamara A.T., **Nencioni L.**, Sgarbanti R., De Chiara G., Marcocci M.E., Garaci E. Stato redox e replicazione virale. 33° Congresso della Società Italiana di Microbiologia. Napoli, Italia, 16-19 Ottobre, 2005.
 100. Magliani W., **Nencioni L.**, Conti G., Conti S., Sgarbanti R., Mattei M., Palamara A.T., Polonelli L. Attività terapeutica di un peptide sintetico killer nei confronti di virus influenzali. 33° Congresso della Società Italiana di Microbiologia. Napoli, Italia, 16-19 Ottobre, 2005.
 101. **Nencioni L.**, De Chiara G., Marcocci M.E., Sgarbanti R., Garaci E., Palamara A.T. Interazione virus/cellula ospite: possibile bersaglio per nuove strategie terapeutiche anti-influenzali. 2° Congresso Nazionale della Società Italiana Virologia Medica. Roma, Italia, 16-18 Maggio, 2005.
 102. Marcocci M.E., De Chiara G., **Nencioni L.**, Manservigi R., Garaci E., Palamara A.T. Infezione da Herpes Simplex virus ed espressione della proteina amyloid precursor protein in cellule neuronali e linfociti B. 2° Congresso Nazionale della Società Italiana Virologia Medica. Roma, Italia, 16-18 Maggio, 2005.
 103. **Nencioni L.**, De Chiara G., Marcocci M.E., Garaci E., Palamara A.T. Virus/host-cell interaction: a target for new anti-influenza strategies? 1° Conferenza di Facoltà di Farmacia. Università di Roma "La Sapienza". Roma, Italia, 9-10 Dicembre, 2004. **Oral communication**

104. Marcocci M.E., **Nencioni L.**, De Chiara G., Garaci E., Palamara A.T. HSV-1 infection and APP expression in neuronal cells and B lymphocytes. 1° Conferenza di Facoltà di Farmacia. Università di Roma "La Sapienza". Roma, Italia, 9-10 Dicembre, 2004.
105. Passariello C., Schippa S., Conti C., **Nencioni L.**, Russo P., Poggiali F., Palamara A.T. Rhinovirus promotes internalization of *Staphylococcus aureus* into airway epithelium favouring opportunistic infections. 1° Conferenza di Facoltà di Farmacia. Università di Roma "La Sapienza". Roma, Italia, 9-10 Dicembre, 2004.
106. La Regina G., De Martino G., Di Pasquali A., D'Auria F., **Nencioni L.**, Palamara A.T., Artico M., Silvestri R. Chemotherapeutic Agents for the Treatment of Fungal Infections. Imidazole Derivatives Highly Active Against *Candida albicans*. 1° Conferenza di Facoltà di Farmacia. Università di Roma "La Sapienza". Roma, Italia, 9-10 Dicembre, 2004.
107. Palamara A.T., **Nencioni L.**, De Chiara G., Sgarbanti R., Garaci E. Ruolo dello stato redox intracellulare nel controllo della replicazione virale. Convegno "Antiossidanti e salute: dieta e supplementazione, due strategie a confronto." Istituto Superiore di Sanità, Roma, Italia, 5 Novembre, 2004.
108. **Nencioni L.**, De Chiara G., Marcocci M.E., Garaci E., Palamara A.T. p38MAPK: una chinasi cellulare coinvolta nella replicazione del virus influenzale e nell'apoptosi delle cellule infettate. 32° Congresso della Società Italiana di Microbiologia. Milano, Italia, 26-29 Settembre, 2004. **Selected for oral communication**
109. Palamara A.T., **Nencioni L.**, Marcocci M.E., De Chiara G., Garaci E. Efficacia antivirale del Resveratrol in modelli sperimentali di infezione da virus influenzale *in vitro* ed *in vivo*. 1° Congresso Nazionale della Società Italiana di Microbiologia Farmaceutica. Catania, Italia, 28-30 Maggio, 2004.
110. Palamara A.T., **Nencioni L.**, De Chiara G., Marcocci M.E., Hernandez L., Garaci E. Interazione virus-cellula ospite: evento chiave nella patogenesi delle infezioni da virus respiratori. 31° Congresso Nazionale Società Italiana di Microbiologia. Roma, Italia, 19-21 Ottobre, 2003.
111. Palamara A.T., Nencioni L., Iuvara A., Ciriolo M.R., Aquilano K., Garaci E. Role of glutathione and Bcl-2 interaction in the control of influenza A virus replication in neuroblastoma cells. Society for Neuroscience, 32nd Annual Meeting. Orlando, Florida, November, 2-7, 2002.
112. Iuvara A., **Nencioni L.**, Hernandez L., Palamara A.T., Garaci E. Valutazione degli effetti del Platino sulla suscettibilità cellulare all'infezione da virus influenzale. 30° Congresso Nazionale Società Italiana di Microbiologia. Catania, Italia, 6-9 Ottobre, 2002.
113. **Nencioni L.**, Iuvara A., Hernandez L., Palamara A.T., Garaci E. Ruolo del GSH e di Bcl-2 nell'infezione da virus influenzale. 30° Congresso Nazionale Società Italiana di Microbiologia. Catania, Italia, 6-9 Ottobre, 2002. **Award for the best communication, Virology Session**
114. Palamara A.T., **Nencioni L.**, Iuvara A., Hernandez L., Garaci E. Modulazione dello stato ossido-riduttivo intracellulare: strumento per nuovi approcci terapeutici antivirali? 29° Congresso Nazionale Società Italiana di Microbiologia. Genova, Italia, 7-9 Novembre, 2001.
115. D'Ascenzo M., **Nencioni L.**, Iuvara A., Azzena G.B., Grassi C. Action of extremely low-frequency magnetic fields (ELF) on human neuroblastoma IMR32 cells. 52° Congresso Nazionale della Società Italiana di Fisiologia. Ancona, Italia, 25-28 Settembre, 2001.
116. Iuvara A., **Nencioni L.**, Hernandez L., Di Francesco P., E. Garaci, Palamara A.T. Attività antivirale di S-Acetyl-glutatione sul virus influenzale A PR8. 9° Congresso Nazionale S.I.M.M.O.C. Vibo Valentia, Italia, 21-22 Giugno, 2001.
117. Torcia M., De Chiara G., **Nencioni L.**, Lucibello M., Rosini P., Garaci E., Cozzolino F. Nerve growth factor inhibits apoptosis via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation and cytochrome c release. Molecular Mechanisms of Apoptosis. Keystone, Colorado, January 16-22, 2001.

118. Torcia M., De Chiara G., Rosini P., **Nencioni L.**, Lucibello M., Garaci E., Cozzolino F. Nerve growth factor inhibits apoptosis via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation and cytochrome c release. 40th American Society for Cell Biology Annual Meeting. San Francisco, December 9-13, 2000.
119. **Nencioni L.**, Palamara A.T., Ciriolo M., Garaci E. Effects of influenza A virus infection in SK-N-SH neuroblastoma cells. Society for Neuroscience, 30th Annual Meeting. New Orleans, Louisiana, November 4-9, 2000.
120. Palamara A.T., Iuvara A., **Nencioni L.**, Garaci E. Virus influenzale e stato redox intra-extracellulare. 28° Congresso Nazionale Società Italiana di Microbiologia. Jesi (AN), Italia, 19-22 Ottobre, 2000.
121. **Nencioni L.**, Iuvara A., Palamara A.T., Garaci E. Ruolo di Bcl-2 nella replicazione del virus influenzale A. 28° Congresso Nazionale Società Italiana di Microbiologia. Jesi (AN), Italia, 19-22 Ottobre, 2000.
122. Guzzetti P., Iuvara A., **Nencioni L.**, Palamara A.T., Garaci E. Effetto antivirale del resveratrol: inibizione della replicazione del virus influenzale A. 8° Congresso Nazionale S.I.M.M.O.C. Roma, Italia, 22-23 Giugno, 2000.
123. Iuvara A., **Nencioni L.**, Guzzetti P., Palamara A.T. Replicazione virale e modulazione dello stato redox extra-cellulare. 8° Congresso Nazionale S.I.M.M.O.C. Roma, Italia, 22-23 Giugno, 2000.
124. **Nencioni L.**, Palamara A.T., Garaci E. Ruolo dello stato redox intracellulare nell'apoptosi indotta dal virus influenzale di tipo A. Giornate Scientifiche delle Facoltà di Medicina e Chirurgia, Farmacia, Medicina Veterinaria e Agraria. Napoli, Italia, 17-19 Maggio, 2000.
125. Torcia M., De Chiara G., **Nencioni L.**, Rosini P., Palamara A.T., Bonini P., Marlier L., Cozzolino F. Nerve growth factor inhibits apoptosis via inactivation of p38 MAPK, prevention of Bcl-2 phosphorylation and cytochrome C release. 3rd Symposium of the International Cell death Society. El Escorial Monastery, Madrid, Espana, May 6-10, 2000. **Award for the best poster presented to the Congress**
126. Marlier L.N., Pierucci D., Cicconi S., Bonini P., Micarelli N., Miele F., Ammendola S., **Nencioni L.**, Cozzolino F., Lauro R., Borboni P. NGF withdrawal induces apoptosis in pancreatic β -cells. Society for Neuroscience, 29th Annual Meeting. Miami Beach, Florida, October 23-28, 1999.
127. **Nencioni L.**, Palamara A.T., Garaci E. Ruolo dello stato redox intracellulare nell'apoptosi indotta dal virus influenzale di tipo A. 27° Congresso Nazionale Società Italiana di Microbiologia. Reggio Calabria, Italia, 13-16 Ottobre, 1999.
128. Marlier L.N., Pierucci D., Cicconi S., Bonini P., Micarelli N., Miele F., Ammendola S., **Nencioni L.**, Cozzolino F., Lauro R., Borboni P. Nerve growth factor withdrawal induces apoptosis in pancreatic β -cells. Endo '99, The Endocrine Society's, 81st Annual Meeting. San Diego, California, June 12-15, 1999.
129. Pierucci D., Cicconi S., Bonini P., Ammendola S., **Nencioni L.**, Micarelli N., Possenti R., Cozzolino F., Marlier L.N., Borboni P. Evidence for an autocrine anti-apoptotic role of nerve growth factor in pancreatic β cells. Journal of Endocrinological Investigation 1999:22 (4). 28° Congresso Nazionale Società Italiana di Endocrinologia. Torino, Italia, 4-8 Maggio, 1999.
130. Torcia M., **Nencioni L.**, Ammendola S., Lucibello M., De Chiara G., Garaci E., Cozzolino F. Nerve growth factor (NGF) prevents apoptosis of memory B cells: its role in maintaining a correct Bcl-2 structure and function. V Cytokine Day. Pomezia (RM), Italia, 29 Maggio, 1998.
131. Dello Sbarba P., Rovida E., Caciagli B., **Nencioni L.**, Labardi D., Savini L., Paccagnini A., Cipolleschi MG. La modulazione del recettore per il macrophage colony-stimulating factor in corso di attivazione macrofagica. 23° Congresso Nazionale Società Italiana di Patologia. Milano, Italia, 23-26 Giugno, 1996.

132. Dello Sbarba P., **Nencioni L.**, Rovida E., Labardi D., Cipolleschi MG. Interleukin-2 down-modulates the expression of the macrophage colony-stimulating factor receptor. Joint Meeting Société Française d'Immunologie - Gruppo di Cooperazione in Immunologia. Paris, France, May 30-31, 1994.

Part IX – Selected Publications last 10 years (2014-2023)

1. Sorrentino L., Toscanelli W., Fracella M., De Angelis M., Frasca F., Scagnolari C., Petrarca L., Nenna R., Midulla F., Palamara A.T., **Nencioni L.***, Pierangeli A.*. NRF2 antioxidant response and Interferon-stimulated genes are differentially expressed in respiratory syncytial virus and rhinovirus infected hospitalized children. *Pathogens* **2023**: 12, 577. doi.org/10.3390/pathogens12040577, PMID: 37111463 (IF/year publication: 3.7, Q2; IF 2022: 3.7, cit. Scopus 0) (***co-authors**) (**Last name and corresponding author**)
2. Fraternali A., De Angelis M., De Santis R., Amatore D., Masini S., Monittola F., Menotta M., Biancucci F., Bartoccini F., Retini M., Fiori V., Fioravanti R., Magurano F., Chiarantini L., Lista R.F., Piersanti G., Palamara A.T., **Nencioni L.**, Magnani M., Crinelli R. Targeting SARS-CoV-2 by synthetic dual-acting thiol compounds that inhibit Spike/ACE2 interaction and viral protein production. *FASEB J* **2023**: 37, e22741 doi.org/10.1096/fj.202201157RR, PMID: 36583713 (IF/year publication: 4.8, Q1; IF 2022: 4.8, cit. Scopus 3) (**Head of virology group**).
3. Checconi P., Coni C., Limongi D., Baldelli S., Ciccarone F., De Angelis M., Mengozzi M., Ghezzi P., Ciriolo M.R., **Nencioni L.***, Palamara A.T.*. Influenza virus replication is affected by glutaredoxin1-mediated protein deglutathionylation. *FASEB J* **2023**: 37, e22729 doi.org/10.1096/fj.202201239RR, PMID: 36583688 (IF/year publication: 4.8, Q1; IF 2022: 4.8, cit. Scopus 0) (***co-authors**). (**Last name**)
4. De Angelis M., De Filippis B., Balaha M., Giampietro L., Miteva M.T., De Chiara G., Palamara A.T., **Nencioni L.***, Mollica A.*. Nitrostilbenes: Synthesis and Biological Evaluation as Potential Anti-Influenza Virus Agents. *Pharmaceuticals* **2022**: 15, 1061. doi.org/10.3390/ph15091061, PMID: 36145282 (IF/year publication: 4.6, Q2; IF 2022: 4.6, cit. Scopus 2) (***co-authors**). (**Last name**)
5. Marcocci M.E., Jackowska B.G., Prezioso C., Protto V., De Angelis M., Di Leva F.S., Casciaro B., Carotenuto A., Mangoni M.L., Palamara A.T., Pietropaolo V., De Chiara G., **Nencioni L.** The Inhibition of DNA Viruses by the Amphibian Antimicrobial Peptide Temporin G: A Virological Study Addressing HSV-1 and JCPyV. *IJMS* **2022**: 23, 7194. doi.org/10.3390/ijms23137194, PMID: 35806198 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 4) (**Last name and corresponding author**)

6. De Angelis M., Amatore D., Checconi P., Zevini A., Fraternali A., Magnani M., Hiscott J., De Chiara G., Palamara A.T., **Nencioni L.** Influenza virus down-modulates G6PD expression and activity to induce oxidative stress and promote its replication. *Frontiers Cell Infect Microbiol.* **2022**: 11, Article 804976. doi: 10.3389/fcimb.2021.804976, PMID: 35071051 (IF/year publication: 5.7, Q1; IF 2022: 5.7; cit. Scopus 16) **(Last name and corresponding author)**
7. De Angelis M., Della-Morte D., Buttinelli G., Di Martino A., Pacifici F., Checconi P., Ambrosio L., Stefanelli P., Palamara A.T., Garaci E., Ricordi C., **Nencioni L.** Protective Role of Combined Polyphenols and Micronutrients against Influenza A Virus and SARS-CoV-2 Infection in vitro. *Biomedicines* **2021**: 9, 1721. doi.org/10.3390/biomedicines9111721, PMID: 34829949 (IF/year publication: 4.757, Q2; IF 2022: 4.7; cit. Scopus 16) **(Last name and corresponding author)**
8. De Angelis M., Casciaro B., Genovese A., Brancaccio D., Marcocci M.E., Novellino E., Carotenuto A., Palamara A.T., Mangoni M.L., **Nencioni L.** Temporin G, an amphibian antimicrobial peptide against influenza and parainfluenza respiratory viruses: insights into biological activity and mechanism of action. *FASEB J* **2021**: 35 (2), e21358; doi.org/10.1096/fj.202001885RR, PMID: 33538061 (IF/year publication: 5.834; Q1; IF 2022: 4.8, cit. Scopus 19) **(Last name and corresponding author)**
9. Vicenti I., Martina M.G., Boccuto A., De Angelis M., Giavarini G., Dragoni F., Marchi S., Trombetta C.M., Crespan E., Maga G., Eydoux C., Decroly E., Montomoli E., **Nencioni L.**, Zazzi M., Radi M. System-oriented optimization of multi-target 2,6-diaminopurine derivatives: Easily accessible broad-spectrum antivirals active against flaviviruses, influenza virus and SARS-CoV-2. *Eur J Med Chem* **2021**: 224, 113683 <https://doi.org/10.1016/j.ejmech.2021.113683>, PMID: 34273661 (IF/year publication: 7.088; Q1; IF 2022: 6.7, Q1, cit. Scopus 5) **(Head of Sapienza virology group)**.
10. Checconi P., De Angelis M., Marcocci M. E., Fraternali A., Magnani M., Palamara A.T., **Nencioni L.** Redox-modulating agents in the treatment of viral infections. *IJMS* **2020**: 21, 4084, doi: 10.3390/ijms21114084, PMID: 32521619 (IF/year publication: 5.924, Q1; IF 2022: 5.6, Q1, cit. Scopus 64) **(Last name and corresponding author)**
11. Anticoli S., Amatore D., Matarrese P., Palamara A.T., **Nencioni L.***, Ruggieri A.* Counteraction of HCV-induced oxidative stress concurs to establish chronic infection in liver cell cultures. *Oxidat Med Cell Long* **2019**: 2019, ID 6452390 doi: 10.1155/2019/6452390, PMID: 30906503 (IF/ year publication: 5.076, Q2; IF 2021: 7.31; Q2; cit. Scopus 25) **(*co-authors) (Last name)**

12. Celestino I., Checconi P., Amatore D., De Angelis M., Coluccio P., Dattilo R., Alunni Fegatelli D., Clemente A.M., Matarrese P., Torcia M.G., Mancinelli R., Mammola C.L., Garaci E., Vestri A.R., Malorni W., Palamara A.T., **Nencioni L.** Differential redox state contributes to sex disparities in the response to influenza virus infection in male and female mice. *Frontiers Immunol.* **2018**: 9, 1747. doi: 10.3389/fimmu.2018.01747, PMID: 30105026 (IF/year publication: 4.716, Q2; IF 2022: 7.3; Q1; cit. Scopus 27) **(Last name and corresponding author)**
13. Di Sotto A., Checconi P., Celestino I., Locatelli M., Carissimi S., De Angelis M., Rossi V., Limongi D., Toniolo C., Martinoli L., Di Giacomo S., Palamara A.T., **Nencioni L.** Antiviral and antioxidant activity of a hydroalcoholic extract from *Humulus lupulus* L. *Oxidat Med Cell Long* **2018**: 2018, ID 5919237. doi: 10.1155/2018/5919237, PMID: 30140367 (IF/year publication: 4.868 Q2; IF 2021: 7.31; Q2; cit. Scopus 42) **(Last name)**
14. Marcocci M.E., Amatore D., Villa S., Casciaro B., Aimola P., Franci G., Grieco P., Galdiero M., Palamara A.T., Mangoni M.L., **Nencioni L.** The Amphibian Antimicrobial Peptide Temporin B Inhibits In Vitro Herpes Simplex Virus 1 Infection. *Antimicrob Agents Chemother* **2018**: 62 (5), e02367-17. doi: 10.1128/AAC.02367-17, PMID: 29483113 (IF/year publication: 4.715, Q1; IF 2022: 4.9; Q1; cit. Scopus 56) **(Last name and corresponding author)**
15. Aleandri M., Conte M.P., Simonetti G., Panella S., Celestino I., Checconi P., Marazzato M., Longhi C., Nicoletti M., Garaci E., Barnich N., Palamara A.T., Schippa S., **Nencioni L.** Influenza A virus infection of intestinal epithelial cells promotes the adhesiveness of *Escherichia coli* strains isolated from Crohn's disease patients. *PLoS One* **2015**: 10(2), e0117005. doi: 10.1371/journal.pone.0117005, PMID: 25706391 (IF/ year publication: 3.057, Q1; IF 2022: 3.7, Q2; cit. Scopus 9) **(Last name)**
16. Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., **Nencioni L.**, Garaci E., Ciriolo M.R., Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. *Cell Microbiol* **2015**: 17(1), 131-145 doi:10.1111/cmi.12343, PMID: 25154738 (IF/ year publication: 4.46, Q1; IF 2022: 3.4, Q2; cit. Scopus 115) **(Head of part of virology studies)**

Bibliometric parameters of the selected publications:

| | |
|--------------------------------------|------|
| Total IF / year publication | 79.7 |
| Average IF | 5 |
| Total Citations (Scopus) | 403 |
| Average Citations per product | 25.2 |

Contribution of the candidate to the selected publications:

n. 3 Checconi P., Coni C., Limongi D., Baldelli S., Ciccarone F., De Angelis M., Mengozzi M., Ghezzi P., Ciriolo M.R., **Nencioni L.***, Palamara A.T.*. Influenza virus replication is affected by glutaredoxin1-mediated protein deglutathionylation. *FASEB J* **2023**: 37, e22729 doi.org/10.1096/fj.202201239RR, PMID: 36583688 (IF/ year publication: 4.8, Q1; IF 2022: 4.8, cit. Scopus 0) (***co-authors**) (**Last name**)

n. 6 De Angelis M., Amatore D., Checconi P., Zevini A., Fraternali A., Magnani M., Hiscott J., De Chiara G., Palamara A.T., **Nencioni L.** Influenza virus down-modulates G6PD expression and activity to induce oxidative stress and promote its replication. *Frontiers Cell Infect Microbiol.* **2022**: 11, Article 804976. doi: 10.3389/fcimb.2021.804976, PMID: 35071051 (IF/ year publication: 5.7, Q1; IF 2022: 5.7; cit. Scopus 16) (**Last name and corresponding author**)

n. 10 Checconi P., De Angelis M., Marocci M. E., Fraternali A., Magnani M., Palamara A.T., **Nencioni L.** Redox-modulating agents in the treatment of viral infections. *IJMS* **2020**: 21, 4084, doi: 10.3390/ijms21114084, PMID: 32521619 (IF/ year publication: 5.924, Q1; IF 2022: 5.6, Q1, cit. Scopus 64) (**Last name and corresponding author**)

n. 16 Amatore D., Sgarbanti R., Aquilano K., Baldelli S., Limongi D., Civitelli L., **Nencioni L.**, Garaci E., Ciriolo M.R., Palamara A.T. Influenza virus replication in lung epithelial cells depends on redox-sensitive pathways activated by NOX4-derived ROS. *Cell Microbiol* **2015**: 17(1), 131-145 doi:10.1111/cmi.12343, PMID: 25154738 (IF/ year publication: 4.46, Q1; IF 2022: 3.4, Q2; cit. Scopus 115) (**Head of part of virology studies**)

- The candidate has contributed substantially to these publications, which are part of one of the main research lines of the group. In particular, the obtained results led to the identification and characterization of redox-regulated cellular pathways that are used by the influenza virus for its replication. The candidate participated in the design of the studies and directed the experimental activities in both *in vitro* and *in vivo* models. On the same topic, the candidate has produced, upon invitation, some reviews widely cited by other research groups.

n. 1 Sorrentino L., Toscanelli W., Fracella M., De Angelis M., Frasca F., Scagnolari C., Petrarca L., Nenna R., Midulla F., Palamara A.T., **Nencioni L.***, Pierangeli A.*. NRF2 antioxidant response and Interferon-stimulated genes are differentially expressed in respiratory syncytial virus and rhinovirus infected hospitalized children. *Pathogens* **2023**: 12, 577. doi.org/10.3390/pathogens12040577, PMID: 37111463 (IF/ year publication: 3.7, Q2; IF 2022: 3.7; cit. Scopus 0) (***co-authors**) (**Last name and corresponding author**)

n. 11 Anticoli S., Amatore D., Matarrese P., Palamara A.T., **Nencioni L.***, Ruggieri A.* Counteraction of HCV-induced oxidative stress concurs to establish chronic infection in liver cell cultures. *Oxidat Med Cell Long* **2019**: 2019, ID 6452390 doi: 10.1155/2019/6452390, PMID: 30906503 (IF/ year publication: 5.076, Q2; IF 2021: 7.31; Q2; cit. Scopus 25) (***co-authors**) (**Last name**)

- In these publications the candidate coordinated the research activities aimed at deepening the relationship between intracellular redox status, host response and permissiveness to viral infection. In particular, we correlated the NRF2-mediated antioxidant pathway to the interferon response in hospitalized pediatric patients affected by respiratory syncytial virus or rhinovirus infection. We also evaluated the intracellular redox state in a model of hepatitis C virus infection that mimics the acute and chronic infection.

n. 12 Celestino I., Checconi P., Amatore D., De Angelis M., Coluccio P., Dattilo R., Alunni Fegatelli D., Clemente A.M., Matarrese P., Torcia M.G., Mancinelli R., Mammola C.L., Garaci E., Vestri A.R., Malorni W., Palamara A.T., **Nencioni L.** Differential redox state contributes to sex disparities in the response to influenza virus infection in male and female mice. *Frontiers Immunol.* **2018**: 9, 1747. doi: 10.3389/fimmu.2018.01747, PMID: 30105026 (IF/ year publication: 4.716, Q2; IF 2022: 7.3, Q1; cit. Scopus 27) (**Last name and corresponding author**)

- This publication is part of the research line aimed at evaluating gender differences in the response to viral infections. The candidate participated in the design of the study, directed all the experimental activities concerning influenza virus infections in a mouse model, discussed the data with the different collaborators and contributed substantially to the drafting of the manuscript.

n. 2 Fraternali A., De Angelis M., De Santis R., Amatore D., Masini S., Monittola F., Menotta M., Biancucci F., Bartoccini F., Retini M., Fiori V., Fioravanti R., Magurano F., Chiarantini L., Lista R.F., Piersanti G., Palamara A.T., **Nencioni L.**, Magnani M., Crinelli R. Targeting SARS-CoV-2 by synthetic dual-acting thiol compounds that inhibit Spike/ACE2 interaction and viral protein production. *FASEB J* **2023**: 37, e22741 doi.org/10.1096/fj.202201157RR, PMID: 36583713 (IF/ year publication: 4.8, Q1; IF 2022: 4.8; cit. Scopus 3) (**Head of Sapienza virology group**).

n. 4 De Angelis M., De Filippis B., Balaha M., Giampietro L., Miteva M.T., De Chiara G., Palamara A.T., **Nencioni L.***, Mollica A.* Nitrostilbenes: Synthesis and Biological Evaluation as Potential Anti-Influenza Virus Agents. *Pharmaceuticals* **2022**: 15, 1061. doi.org/10.3390/ph15091061, PMID: 36145282 (IF/year publication: 4.6, Q2; IF 2022: 4.6, cit. Scopus 2) (***co-authors, Head of virology group**) (**Last name**)

n. 5 Marcocci M.E., Jackowska B.G., Prezioso C., Protto V., De Angelis M., Di Leva F.S., Casciaro B., Carotenuto A., Mangoni M.L., Palamara A.T., Pietropaolo V., De Chiara G., **Nencioni L.** The Inhibition of DNA Viruses by the Amphibian Antimicrobial Peptide Temporin G: A Virological Study Addressing HSV-1 and JCPyV. *IJMS* **2022**: 23, 7194. doi.org/10.3390/ijms23137194, PMID: 35806198 (IF/year publication: 5.6, Q1; IF 2022: 5.6; cit. Scopus 4) **(Last name and corresponding author)**

n. 7 De Angelis M., Della-Morte D., Buttinelli G., Di Martino A., Pacifici F., Checconi P., Ambrosio L., Stefanelli P., Palamara A.T., Garaci E., Ricordi C., **Nencioni L.** Protective Role of Combined Polyphenols and Micronutrients against Influenza A Virus and SARS-CoV-2 Infection in vitro. *Biomedicines* **2021**: 9, 1721. doi.org/10.3390/biomedicines9111721, PMID: 34829949 (IF/year publication: 4.757, Q2; IF 2022: 4.7; cit. Scopus 16) **(Last name and corresponding author)**

n. 8 De Angelis M., Casciaro B., Genovese A., Brancaccio D., Marcocci M.E., Novellino E., Carotenuto A., Palamara A.T., Mangoni M.L., **Nencioni L.** Temporin G, an amphibian antimicrobial peptide against influenza and parainfluenza respiratory viruses: insights into biological activity and mechanism of action. *FASEB J* **2021**: 35 (2), e21358; doi.org/10.1096/fj.202001885RR, PMID: 33538061 (IF/year publication: 5.834, Q1; IF 2022: 4.8, cit. Scopus 19) **(Last name and corresponding author)**

n. 9 Vicenti I., Martina M.G., Boccuto A., De Angelis M., Giavarini G., Dragoni F., Marchi S., Trombetta C.M., Crespan E., Maga G., Eydoux C., Decroly E., Montomoli E., **Nencioni L.**, Zazzi M., Radi M. System-oriented optimization of multi-target 2,6-diaminopurine derivatives: Easily accessible broad-spectrum antivirals active against flaviviruses, influenza virus and SARS-CoV-2. *Eur J Med Chem* **2021**: 224, 113683 <https://doi.org/10.1016/j.ejmech.2021.113683>, PMID: 34273661 (IF/year publication: 7.088, Q1; IF 2022: 6.7, Q1, cit. Scopus 5) **(Head of Sapienza virology group)**.

n. 13 Di Sotto A., Checconi P., Celestino I., Locatelli M., Carissimi S., De Angelis M., Rossi V., Limongi D., Toniolo C., Martinoli L., Di Giacomo S., Palamara A.T., **Nencioni L.** Antiviral and antioxidant activity of a hydroalcoholic extract from *Humulus lupulus* L. *Oxidat Med Cell Long* **2018**: 2018, ID 5919237. doi: 10.1155/2018/5919237, PMID: 30140367 (IF/year publication: 4.868, Q2; IF 2021: 7.31; Q2; cit. Scopus 42) **(Last name)**

n. 14 Marcocci M.E., Amatore D., Villa S., Casciaro B., Aimola P., Franci G., Grieco P., Galdiero M., Palamara A.T., Mangoni M.L., **Nencioni L.** The Amphibian Antimicrobial Peptide Temporin B Inhibits In Vitro Herpes Simplex Virus 1 Infection. *Antimicrob Agents Chemother* **2018**: 62 (5),

e02367-17. doi: 10.1128/AAC.02367-17, PMID: 29483113 (IF/year publication: 4.715, Q1; IF 2022: 4.9; Q1; cit. Scopus 56) (**Last name and corresponding author**)

- In these publications, which derive from the collaboration with researchers of pharmaceutical chemistry area, as well as with biochemistry or pharmacology areas, the candidate's contribution consisted in the direction of the research activities of virology lab, aimed at the evaluation of the antiviral/antiinflammatory activities of newly synthesized molecules, antimicrobial peptides or natural extracts. The candidate has also substantially contributed to the drafting of the manuscript, in all the parts concerning the biological activity of the studied compounds.

n. 15 Aleandri M., Conte M.P., Simonetti G., Panella S., Celestino I., Checconi P., Marazzato M., Longhi C., Nicoletti M., Garaci E., Barnich N., Palamara A.T., Schippa S., **Nencioni L.** Influenza A virus infection of intestinal epithelial cells promotes the adhesiveness of *Escherichia coli* strains isolated from Crohn's disease patients. *PLoS One* **2015**: 10(2), e0117005. doi: 10.1371/journal.pone.0117005, PMID: 25706391 (IF/ year publication: 3.057, Q1; IF 2022: 3.7, Q2; cit. Scopus 9) (**Last name**)

- In this publication, the candidate had a prominent role in the study design and directed the research activities, as evidenced by her position as last author. In particular, during the study, the virus/bacteria co-infection model was developed and the experimental activities concerning the molecular mechanisms of cooperation between the different microorganisms were carried out. The results obtained allowed us to demonstrate that the infection of intestinal cells by influenza virus favors the adhesion of bacterial strains isolated from patients with Crohn's disease. The candidate also contributed substantially to the drafting of the manuscript.

In compliance with the art. 13 of the Italian Legislative Decree, n. 196 dated 30 June 2003 (Code regarding the protection of personal data) and art. 13 of the GDPR (EU Regulation 2016/679), I hereby authorize the processing of my personal data contained in this curriculum for the purpose of candidate selection activity.

Lucia Nencioni