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PRESENT POSITION

Associate Professor – Dept. of Molecular Medicine (DMM) – Univ. of Padova.

EDUCATION

2002 Ph.D. in Virology, Univ. of Padova, Italy; 1998 Member of the college of Biologists of Italy after passing the National board examination; 1997 Degree in Biological Sciences (110/110 cum laude), Univ. of Padova, Italy

RESEARCH EXPERIENCES

2021- Associate Professor, DMM – Univ. of Padova. Main research topics: i) Virus/host interactions; ii) surveillance, molecular epidemiology and diagnostics of emerging zoonotic agents; iii) development of new antimicrobial compounds.

2016-17 Visiting scientist at the Public Health Agency of Sweden – Solna, Sweden. Discovery of cellular essential genes required for viral replication by using haploid cells and study of the viral pathogenesis in 3D organoids.

2013-14 Visiting scientist at the Swedish Institute for Communicable Disease Control (from January 2014, Public Health Agency of Sweden) – Solna, Sweden. Virus-host interaction of Crimean–Congo hemorrhagic fever virus in tick/mammalian cell lines (in BSL-4 facility).

2011-2017 Biologist in charge for the coordination of molecular diagnostics in the Microbiology and Virology Unit, Padova Hospital, and coordinator of the influenza and other viral respiratory infections unit.

2008-2021 Assistant Professor, Dept. of Histology, Microbiology and Medical Biotechnologies (DIMMB, from 2012 DMM) – Univ. of Padova, Italy. Main research topics: i) characterization of the interactions between viral and cellular proteins in order to identify potential targets for antiviral approaches; ii) surveillance, molecular epidemiology, mechanisms of pathogenesis of influenza viruses and zoonotic agents; iii) development of new antimicrobial compounds; iv) molecular diagnostics of infectious diseases.

2007-2008 Postdoctoral fellow, Padova Hospital, Italy. Main activity: diagnostic and surveillance of influenza viruses.

2003-2006 Postdoctoral fellow, DIMMB, Univ. of Padova, Italy. Research activities: i) molecular mechanisms of HIV-1 and HHV-8 pathogenesis; ii) investigation on the interactions between viral and cellular proteins in order to identify potential targets for antiviral approaches;

2002-2003 Postdoctoral fellow, DIMMB, Univ. of Padova, Italy. Research activity: characterization of the antitumor mechanism of aloe-emodin.

2002 Postdoctoral fellow, Department of Pediatrics, Univ. of Padova, Italy. Research activity: investigation on the aloe-emodin-induced differentiation of Ewing sarcoma and primitive neuroectodermal tumor.

1999-2001 Ph.D. student, Institute of Microbiology, Univ. of Padova, Italy. Research activity: study of human herpesvirus-8 genes associated to viral pathogenesis.

1997-1998 Industrial researcher, AB Analitica-srl, Padova, Italy. Research activity: development of commercial kits for the diagnosis of human infectious diseases.

I am co-author of 70 papers in peer review journals. The scientific work was presented more than 100 conferences.

OTHER INFORMATION

Affiliations and Offices

Member of the: Italian Society for Virology (SIV) (2001-2016); Organizing Committee of the National Congress of the Italian Society for Virology (2002-2012); SIV Executive Committee (2004-2007); European Society for Virology (Founding member, April 2009-); Influenza Pandemic Task Force (Padova Hospital, 2009-2010); Federation of European Microbiological Societies (from 2010); Swedish Society for Virology (2013); Società Italiana di Virologia - Italian Society for Virology (SIV-ISV) (from 2016); International Society on Crimean-Congo Hemorrhagic Fever (2017-); International Society for Infectious Diseases – ISID (2018-).

Review panel

External reviewer for the French National Research Agency (ANR) (2020-) and for the Istituto Zooprofilattico della Lombardia ed Emilia Romagna (2024-).

Referee activity for

Infectious Agents and Cancer, BMC Research Notes, BMC Microbiology, Plos One, Plos Pathogens, Bioscience Reports, Biochemistry, Antimicrobial Agents and Chemotherapy, Antiviral Research, Nursing and Family Health Care, Viruses, Eurosurveillance, Expert Review of Anti-infective Therapy, Biochemical Pharmacology, Microorganisms, Cancer Management and Research, Biomolecules, Global Health Journal, Sustainable Chemistry and Pharmacy, Vaccines, Pharmaceuticals, Antioxidants, Life, Veterinary Research Communication, International Journal of Molecular Sciences, Plants, Tropical Medicine and Infectious Disease, Virus Research, Cellular and Molecular Life Sciences, Emerging microbes and infections, Parasites and Vectors, Journal of Medical Virology, Plos Neglected Tropical Diseases, Transboundary and Emerging Diseases, Molecular Medicine, The Lancet Infectious Diseases, Reviews in Medical Virology.

Editorial activity

Guest editor - thematic issue of “Pathogens and Disease” on “Emerging and re-emerging viruses” (2018-2020).

Member of the Editorial Board of “Pathogens” (MDPI) – "Viral Pathogens" Section (2020-)

Guest editor – Special Issue of “Pathogens” on “Highly Pathogenic Viruses: Challenges for Diagnostics Development and Drug Discovery” (2021).

Awards

- “Viruses” prize for the presentation “The persistent infection of tick cells by Hazara orthonairovirus is mediated by virus-derived DNA forms” at the 3rd National Congress of the Italian Society for Virology "SIV-ISV" - Padova, September 10-12, 2019.

- FEMS Pathogens and Disease best article award 2020 (Federation of European Microbiological Societies).

Participation to Training courses

Practical and theoretical course on the Development of a laboratories network for the surveillance and diagnosis of influenza viruses. National Influenza Center (NIC) - Istituto Superiore di Sanità, Rome 11-14 December 2007.

Lipari International Summer School on BioInformatics and Computational Biology on “Biological Networks: Evolution, Interaction and Computational”, Lipari (Messina-Italy) from June 14 to June 21, 2008.

BSL4 Biosafety Training Program involving operational activities related to and performed at the

BSL4 laboratory at the Swedish Institute for Communicable Disease Control. Solna from March to May 2013.

Participation to Round Tables

"Expert opinions on new influenza A/H1N1v virus". Istituto Superiore di Sanità. Rome, Italy - June 8th, 2009.

"The new influenza A H1N1 virus: strategies to address the emergency". Cison di Valmarino (TV), Italy- July 9th, 2009.

Organization of National and International Congresses

Organization of ten editions of the National Congress of the Italian Society for Virology (2002-2012); 1st International Workshop on Viral Oncology Research - Padova, Italy - April 27th-29th, 2006; 4th European Congress of Virology – Cernobbio, (CO), Italy – April 7th-11th, 2010. Workshop "CCHF treatment by using human monoclonal antibodies" – Stockholm – 30 Nov - 1 Dec, 2017.

Teaching duties

48 hours per year of lectures focused on "Molecular therapy" for Medical Biotechnologies students

72 hours per year of practical and theoretical lectures focused on "Microbiology" for Medical School students

36 hours per year of practical and theoretical lectures focused on "Chemical and certification of food", for Biology students

32 hours per year of theoretical lectures focused on "Applied microbiology and molecular virology", for Biotechnology students

20 hours per year of theoretical lectures focused on "Viral diagnostics", for Specialty Diploma in Microbiology and Virology students

Member of the Committee of the Specialty Diploma in Microbiology and Virology

Tutor of 30 undergraduate, graduate and PhD students at the Univ. of Padova over the last 11 years.

PUBLICATIONS

1) Teresa Pecere, Federica Sarinella, Cristiano Salata, Barbara Gatto, Alessandra Bet, Francesca Dalla Vecchia, Alberto Diaspro, Modesto Carli, Manlio Palumbo, Giorgio Palù. **2003**. Involvement of p53 in specific anti-neuroectodermal tumor activity of aloe-emodin. **Int. J. Cancer**, 106:836-847.

2) Cristiano Salata and Giorgio Palù. **2004**. Meeting report on 3rd National Congress of the Italian Society of Virology (SIV). **J. Cell. Physiol.**, 199:171-173.

3) Cristiano Salata, Cristina Parolin and Giorgio Palù. **2005**. Proceedings of the Fourth National Congress of the Italian Society of Virology. **J. Cell. Physiol.**, 204:763-766.

4) Cristiano Salata, Arianna Calistri and Giorgio Palù. **2006**. Highlights from the 5th annual meeting of the Italian Society of Virology. **J. Cell. Physiol.**, 208:6-11.

5) Arianna Calistri, Paola Sette, Cristiano Salata, Enrico Cancellotti, Cristina Forghieri, Alessandra Comin, Henrich Gottlinger, Gabriella Campadelli-Fiume, Giorgio Palù and Cristina Parolin. **2007**. The Intracellular Trafficking and Maturation of Herpes Simplex Virus Type 1 gB and Virus Egress Require Functional Biogenesis of Multivesicular Bodies. **J. Virol.**, 81:11468-11478.

- 6) Cristiano Salata, Arianna Calistri, Gavin W.G. Wilkinson, Giorgio Palù. **2007**. Review of the 6th National Meeting of the Italian Society of Virology, a joint meeting with Virus Group of the Society for General Microbiology (UK). **J. Cell. Physiol.**, 213:844-847.
- 7) Cristiano Salata, Arianna Calistri and Giorgio Palù. **2008**. Update from the 7th Annual Meeting of the Italian Society of Virology. **J. Cell. Physiol.**, 216:286-288.
- 8) Arianna Calistri, Claudia Del Vecchio, Cristiano Salata, Michele Celestino, Marta Celegato, Henrich Gottlinger, Giorgio Palù and Cristina Parolin. **2009**. Role of the Feline Immunodeficiency Virus L-domain in the presence or absence of Gag processing: involvement of ubiquitin and Nedd4-2s ligase in viral egress. **J. Cell. Physiol.**, 218:175-182.
- 9) Arianna Calistri, Cristiano Salata, Cristina Parolin and Giorgio Palù. **2009**. Role of multivesicular bodies, or their components, in the egress of enveloped RNA viruses. **Rev. Med. Virol.**, 19: 31-45.
- 10) Cristiano Salata, Matteo Curtarello, Arianna Calistri, Elena Sartori, Paola Sette, Marina de Bernard, Cristina Parolin, Giorgio Palù. **2009**. vOX2 glycoprotein of Human Herpesvirus 8 modulates human primary macrophages activity. **J. Cell. Physiol.**, 219(3):698-706.
- 11) Elena Sartori, Cristiano Salata, Arianna Calistri, Giorgio Palù and Cristina Parolin. **2009**. News and views from the 8th annual meeting of the Italian Society of Virology. **J. Cell. Physiol.**, 219(3):797-799.
- 12) Bergonzini Valeria, Calistri Arianna, Salata Cristiano, Del Vecchio Claudia, Sartori Elena, Parolin Cristina, Palù Giorgio. **2009**. Nef and Cell Signaling Transduction: a possible involvement in the pathogenesis of HAD. **J. Neurovirol.**, 15(3):238-248.
- 13) Valeria Bergonzini, Cristiano Salata, Arianna Calistri, Cristina Parolin and Giorgio Palù. **2010**. View and Review on Viral Oncology Research. **Infect. Agent. Cancer**, 5:11
- 14) Liviana Da Dalt, Arianna Calistri, Chiara Chillemi, Riccardo Cusinato, Elisa Franchin, Cristiano Salata, Dino Sgarabotto, Giuseppe Toscano, Antonio Gambino, Giorgio Palù. **2010**. Oseltamivir-resistant H1N1v infection treated with nebulized zanamivir aqueous solution in a three-year-old immunocompromised child. **Emerg. Infect. Dis.**, 16(11):1813-1815.
- 15) Cristiano Salata, Arianna Calistri, Giorgio Palù and Cristina Parolin. **2011**. Summary of the 9th annual meeting of the Italian Society for Virology. **J. Cell. Physiol.**, 226(1):285-287.
- 16) Elena Sartori, Arianna Calistri, Cristiano Salata, Claudia Del Vecchio, Giorgio Palu' and Cristina Parolin. **2011**. Herpes simplex virus type 2 infection increases human immunodeficiency virus type 1 entry into human primary macrophages. **Virol. J.**, 8:166.
- 17) Elena Piccoli, Matteo Nadai, Carla Mucignat Caretta, Valeria Bergonzini, Claudia Del Vecchio, Huy Riem Ha, Laurent Bigler, Daniele Dal Zoppo, Elisabetta Faggin, Andrea Pettenazzo, Cristiano Salata, Arianna Calistri, Giorgio Palù, Aldo Baritussio. **2011**. Amiodarone impairs trafficking through late endosomes inducing a Niemann-pick C-like phenotype. **Biochem. Pharmacol.**, 82(9):1234-1249.
- 18) Arianna Calistri, Cristiano Salata, Marina Cosentino, Samuele Asnicar, Elisa Franchin, Riccardo Cusinato, Monia Pacenti, Isabella Donatelli, Giorgio Palù. **2011**. Report of two cases of

Influenza virus A/H1N1v and B co-infection during the 2010/2011 epidemics in the Italian Veneto Region. **Virol. J.**, 8:502.

19) Cristiano Salata, Arianna Calistri, Giorgio Palù and Cristina Parolin. **2012**. Report of the 2011 annual meeting of the Italian Society for Virology. **J. Cell. Physiol.**, 227(7):2965-2968.

20) Michele Celestino, Arianna Calistri, Claudia Del Vecchio, Cristiano Salata, Flavia Chiuppesi, Mauro Pistello, Alessandra Borsetti, Giorgio Palù, and Cristina Parolin. **2012**. Feline tetherin is characterized by a short N-terminal region and is counteracted by the Feline Immunodeficiency virus envelope glycoprotein. **J. Virol.**, 86(12):6688-6700.

21) B. Iulini, C. Maurella, M.D. Pintore, E. Vallino Costassa, D. Corbellini, C. Porcario, A. Pautasso, C. Salata, D. Gelmetti, T. Avanzato, G. Palù, A. D'Angelo, M. Caramelli, C. Casalone. **2012**. Ten years of BSE surveillance in Italy: neuropathological findings in clinically suspected cases. **Res. Vet. Sci.**, 93(2):872-878.

22) Luca Cegolon, Cristiano Salata, Elisabete Weiderpass-Vainio, Paolo Vineis, Giorgio Palù and Giuseppe Mastrangelo. **2013**. Human endogenous retroviruses and cancer prevention: evidence and prospects. **BMC Cancer**, 13(1):4.

23) Arianna Calistri, Cristiano Salata, Cristina Parolin, and Giorgio Palù. **2013**. New Generation Sequencing in pathogen discovery and microbial surveillance. **Expert Rev. Anti Infect. Ther.**, 11(9):877-879.

24) Alessandra Piccirillo, Giorgia Dotto, Cristiano Salata, Martina Giacomelli. **2013**. Absence of class 1 and class 2 integrons among *Campylobacter jejuni* and *Campylobacter coli* isolated from poultry in Italy. **J. Antimicrob. Chemother.**, 68(11):2683-2685.

25) Luca Cegolon, Cristiano Salata, Elena Piccoli, Victor Juarez, Giorgio Palù, Giuseppe Mastrangelo and Arianna Calistri. **2014**. In vitro antiviral activity of Hypothiocyanite against A/H1N1/2009 pandemic influenza virus. **Int. J. Hyg. Environ. Health**, 217(1):17–22.

26) Martina Giacomelli, Cristiano Salata, Marco Martini, Clara Montesissa, and Alessandra Piccirillo. **2014**. Antimicrobial resistance of *Campylobacter jejuni* and *Campylobacter coli* from poultry in Italy. **Microb. Drug Resist.**, 20(2):181-188.

27) A. Piccirillo, D. Giovanardi, G. Grilli, C. Montesissa, C. Boldrin, C. Salata, M. Giacomelli. **2014**. Antimicrobial resistance and class 1 and 2 integrons in *Escherichia coli* from meat turkeys in Northern Italy. **Avian Pathol.**, 43(5):396-405.

28) A. Piccirillo, M. Giacomelli, C. Salata, S. Bettanello, E. De Canale, and G. Palù. **2014**. Multilocus Sequence Typing of *Campylobacter jejuni* and *Campylobacter coli* from humans and chickens in North-Eastern Italy. **New Microbiol.**, 37(4):557-562.

29) Calistri A, Munegato D, Toffoletto M, Celestino M, Franchin E, Comin A, Sartori E, Salata C, Parolin C, Palù G. **2015**. Functional interaction between the ESCRT-I component TSG101 and the HSV-1 tegument ubiquitin specific protease. **J. Cell Physiol.**, 230(8):1794–1806.

30) Cristiano Salata, Aldo Baritussio, Denis Munegato, Arianna Calistri, Huy Riem Ha, Laurent Bigler, Fabrizio Fabris, Cristina Parolin, Giorgio Palù, Ali Mirazimi. **2015**. Amiodarone and metabolite MDEA inhibit Ebola virus infection by interfering with the viral entry process. **Pathog.**

Dis., 73(5):1-9.

31) Francesco Martelli, Cristiano Salata, Arianna Calistri, Cristina Parolin, Alberta Azzi, Giorgio Palù, Simone Giannecchini. **2015**. Small RNAs targeting the 5' end of the viral polymerase gene segments specifically interfere with influenza type A virus replication. **J. Biotechnol.**, 210:85–90.

32) Franzolin E, Salata C, Bianchi V, Rampazzo C. **2015**. The dNTP triphosphohydrolase activity of SAMHD1 contributes to the mitochondrial DNA depletion associated with genetic deficiency of deoxyguanosine kinase. **J. Biol. Chem.**, 290(43):25986-96.

33) Cristiano Salata, Denis Munegato, Elena Piccoli, Arianna Calistri, Cristina Parolin, Ali Mirazimi, Aldo Baritussio, Giorgio Palù. **2016**. Amiodarone increases positive-strand RNA viruses replication in vitro: implications for its use in patients with viral infections. **J. Antimicrob. Chemother.**, 71(1):280-281.

34) Alessandra Piccirillo, Enrico Lavezzo, Giulia Niero, Ana Moreno, Paola Massi, Elisa Franchin, Stefano Toppo, Cristiano Salata, Giorgio Palù. **2016**. Full genome sequence-based comparative study of wild-type and vaccine strains of infectious laryngotracheitis virus from Italy. **Plos One**, 11(2):e0149529.

35) Maiken Rosenstjerne, Helen Karlberg, Karoline Bragstad, Gunnel Lindegren, Maline Stoltz, Cristiano Salata, Anne-Marte Kran, Susanne Dudman, Ali Mirazimi, and Anders Fomsgaard. **2016**. Rapid bedside inactivation of Ebola virus for safe nucleic acid tests. **J. Clin. Microbiol.**, 54(10):2521-2529.

36) Cristiano Salata, Arianna Calistri, Cristina Parolin, Aldo Baritussio, Giorgio Palù. **2017**. Antiviral activity of cationic amphiphilic drugs. **Expert Rev. Anti Infect. Ther.**, 15(5):483-492.

37) L. Mughini-Gras, G. Angeloni, C. Salata, N. Vonesch, W. D'amico, G. Campagna, A. Natale, F. Zuliani, L. Ceglie, I. Monne, M. Vascellari, K. Capello, G. Di Martino, N. Inglese, G. Palù, P. Tomao, L. Bonfanti. **2017**. Hepatitis E virus infection in North Italy: high seroprevalence in swine herds and increased risk for swine workers. **Epidemiol Infect.**, 145:3375–3384.

38) Cristiano Salata, Denis Munegato, Francesco Martelli, Cristina Parolin, Arianna Calistri, Aldo Baritussio, Giorgio Palù. **2018**. Amiodarone affects Ebola virus binding and entry into target cells. **New Microbiol.**, 41(2):162-164.

39) Cristiano Salata, Paola Lisotto, Caterina Boldrin, Ettore De Canale, Alessandra Piccirillo, Arianna Calistri, Giorgio Palù. **2018**. A first molecular characterization of *Listeria monocytogenes* isolates circulating in humans from 2009 to 2014 in the Italian Veneto region. **New Microbiol.**, 41(3):232-234.

40) Elisa Saccon, Adriana Vitiello, Marta Trevisan, Cristiano Salata, Giorgio Palù. **2018**. 6th European Seminar in Virology on Virus-host interaction at single cell and organism level. **Viruses**, 10(8). pii: E400.

41) Cristiano Salata, Vanessa Monteil, Helen Karlberg, Michele Celestino, Stephanie Devignot, Mikael Leijon, Lesley Bell-Sakyi, Éric Bergeron, Friedemann Weber, Ali Mirazimi. **2018**. The DEVD motif of Crimean-Congo hemorrhagic fever virus nucleoprotein is essential for viral replication in tick cells. **Emerg Microbes Infect.**, 7(1):190.

- 42) Cristiano Salata, Dino Sgarabotto, Claudia Del Vecchio, Erica Solimbergo, Giulia Marini, Stefano Nicolè, Elisa Franchin, Cristina Parolin, Arianna Calistri, Giorgio Palù. **2019**. Antiviral treatment and virological monitoring of oseltamivir-resistant influenza virus A(H1N1)pdm09 in a patient with chronic B lymphocytic leukemia. **J Infect Chemother.**, 25(7):543-546.
- 43) Cristiano Salata, Arianna Calistri, Gualtiero Alvisi, Michele Celestino, Cristina Parolin and Giorgio Palù. **2019**. Ebola Virus Entry: From Molecular Characterization to Drug Discovery. **Viruses**, 11(3), 274.
- 44) Cristiano Salata, Arianna Calistri, Cristina Parolin, Giorgio Palù. **2019**. Coronaviruses: a paradigm of new emerging zoonotic diseases. **Pathog Dis.**, 77(9), ftaa006.
- 45) Cristiano Salata, Vanessa Monteil, Mikael Leijon, Lesley Bell-Sakyi, Ali Mirazimi. **2020**. Identification and validation of internal reference genes for real-time quantitative polymerase chain reaction-based studies in *Hyalomma anatolicum* ticks. **Ticks and Tick-borne Dis.**, 11(4):101417. doi: 10.1016/j.ttbdis.2020.101417.
- 46) Hossein M Elbadawy, Mohi Iqbal Abdul, Naif Aljuhani, Adriana Vitiello, Francesco Ciccarese, Mekky M Abouzied, Ahmed M Shehata, Mohamed A Shaker, Heba M Eltahir, Giorgio Palù, Veronica Di Antonio, Hanieh Ghassabian, Claudia Del Vecchio, Cristiano Salata, Elisa Franchin, Eleonora Ponterio, Saleh Bahashwan, Khaled Thabet, Cristina Parolin, Arianna Calistri and Gualtiero Alvisi. **2020**. Generation of combinatorial lentiviral vectors expressing multiple anti-hepatitis C virus shRNAs and their validation on a novel HCV replicon double reporter cell line. **Viruses**, 12(9), E1044.
- 47) Monteil V, Salata C, Appelberg S, Mirazimi A. **2020**. Hazara virus and Crimean-Congo Hemorrhagic Fever Virus show a different pattern of entry in fully-polarized Caco-2 cell line. **PLoS Negl Trop Dis.**, 14(11):e0008863.
- 48) Tampere M, Pettke A, Salata C, Wallner O, Koolmeister T, Cazares-Körner A, Visnes T, Hesselman MC, Kunold E, Wiita E, Kalderén C, Lightowler M, Jemth AS, Lehtiö J, Rosenquist Å, Warpman-Berglund U, Helleday T, Mirazimi A, Jafari R, Puumalainen MR. **2020**. Novel broad-spectrum antiviral inhibitors targeting host factors essential for replication of pathogenic RNA viruses. **Viruses**, 12(12), E:1423.
- 49) Cegolon L, Mirandola M, Salaris C, Salvati MV, Mastrangelo G and Salata C. **2021**. Hypothiocyanite and hypothiocyanite/lactoferrin mixture exhibit virucidal activity in-vitro against SARS-CoV-2. **Pathogens**, 10(2), 233.
- 50) Krenn V, Bosone C, Burkard T, Spanier J, Kalinke U, Calistri A, Salata C, Rilo Christoff R, Garcez PP, Mirazimi A and Knoblich JA. **2021**. Organoid modelling reveals virus-specific responses leading to microcephaly. **Cell Stem Cell**. 28:1362-1379.
- 51) Annatelli M, Trapasso G, Salaris C, Salata C, Castellano S, Aricò F. **2021**. Mustard Carbonate Analogues as Sustainable Reagents for the Aminoalkylation of Phenols. **Eur J Org Chem.**, 2021:3459-3464.
- 52) Salata C, Moutailler S, Attoui H, Zweygarth E, Decker L, and Bell-Sakyi L. **2021**. How relevant are in vitro culture models for study of tick-pathogen interactions? **Pathog Glob Health**. 115(7-8):437-455.

- 53) Mirandola M, Salvati MV, Rodigari C, Appelberg SK, Mirazimi A, Maffei ME, Gribaudo G and Salata C. **2021**. Cranberry (*Vaccinium macrocarpon*) Extract Impairs Nairovirus Infection by Inhibiting the Attachment to Target Cells. **Pathogens**, 10(8), 1025.
- 54) Salvati MV, Salaris C, Monteil V, Del Vecchio C, Palù G, Parolin C, Calistri A, Bell-Sakyi L, Mirazimi A, Salata C. **2021**. Virus-derived DNA forms mediate the persistent infection of tick cells by Hazara virus and Crimean-Congo hemorrhagic fever virus. **J Virol.**, 95(24):e0163821.
- 55) Maciola AK, La Raja M, Pacenti M, Salata C, De Silvestro G, Rosato A and Pasqual G. **2022**. Neutralizing antibody responses to SARS-CoV-2 in recovered COVID-19 patients are variable and correlate with disease severity and receptor-binding domain recognition. **Front. Immunol.** 13:830710. doi: 10.3389/fimmu.2022.830710
- 56) Corona A, Fanunza E, Salata C, Morwitzer MJ, Distinto S, Zinzula L, Sanna C, Frau A, Daino GL, Quartu M, Tagliatela-Scafati O, Rigano D, Reid S, Mirazimi A, Tramontano E. **2022**. Cynarin blocks Ebola virus replication by counteracting VP35 inhibition of interferon-beta production. **Antiviral Res.**, 198:105251.
- 57) Mazzotta E, Lucchese L, Salata C, Furlanello T, Baroni E, Zotti A, Venturi G, Fincato A, Marchione S, Capello K, Natale A. **2022**. Are Small Animal Practitioners Occupationally Exposed to Leptospirosis? Results of a Serological Survey. **Int J Environ Res Public Health**, 19(3):1797.
- 58) Trapasso G, Salaris C, Reich M, Logunova E, Salata C, Kümmerer K, Figoli A, Aricò F. **2022**. A scale-up procedure to dialkyl carbonates; evaluation of their properties, biodegradability, and toxicity. **Sustain Chem Pharm.**, 26:100639.
- 59) Fornasier E, Macchia ML, Giachin G, Sosic A, Pavan M, Sturlese M, Salata C, Moro S, Gatto B, Bellanda M, Battistutta R. **2022**. A new inactive conformation of SARS-CoV-2 main protease. **Acta Crystallogr D Struct Biol.**, 78(Pt 3):363-378.
- 60) El Khoury L, Jing Z, Cuzzolin A, Deplano A, Loco D, Sattarov B, Hédin F, Wendeborn S, Ho C, El Ahdab D, Inizan TJ, Sturlese M, Sosic A, Volpiana M, Lugato A, Barone M, Gatto B, Macchia ML, Bellanda M, Battistutta R, Salata C, Kondratov I, Iminov R, Khairulin A, Mykhalonok Y, Pochevko A, Chashka-Ratushnyi V, Kos I, Moro S, Montes M, Ren P, Ponder JW, Lagardère L, Piquemal JP, and Sabbadin D. **2022**. Computationally driven discovery of SARS-CoV-2 M^{pro} inhibitors: from design to experimental validation. **Chem. Sci.**, 13: 3674.
- 61) Tucciarone CM, Cecchinato M, Vianello L, Simi G, Borsato E, Silvestrin L, Giorato M, Salata C, Morandin M, Greggio E, Drigo M. **2022**. Evaluation of UVC Excimer Lamp (222 nm) Efficacy for Coronavirus Inactivation in an Animal Model. **Viruses**, 14(9):2038.
- 62) Maffei ME, Salata C, Gribaudo G. **2022**. Tackling the Future Pandemics: Broad-Spectrum Antiviral Agents (BSAAs) Based on A-Type Proanthocyanidins. **Molecules**, 27(23):8353.
- 63) Cegolon L, Mastrangelo G, Bellizzi S, Filon FL, Salata C. **2023**. Supporting the Aspecific Physiological Defenses of Upper Airways against Emerging SARS-CoV-2 Variants. **Pathogens**, 12(2):211.
- 64) Monteil V, Kwon H, John L, Salata C, Jonsson G, Vorrink SU, Appelberg S, Youhanna S, Dyczynski M, Leopoldi A, Leeb N, Volz J, Hagelkruys A, Kellner MJ, Devignot S, Michlits G, Foong-Sobis M, Weber F, Lauschke VM, Horn M, Feldmann H, Elling U, Penninger JM, Mirazimi

A. **2023**. Identification of CCZ1 as an essential lysosomal trafficking regulator in Marburg and Ebola virus infections. **Nat Commun.**; 14(1):6785.

65) Rosani U, Sollitto M, Fogal N, Salata C. **2024**. Comparative analysis of Presence-Absence gene Variations in five hard tick species: impact and functional considerations. **Int J Parasitol.**, 54(3-4):147-156.

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