

Prof. Cristiano Salata

Posizione attuale: Professore associato – SSD/MEDS-03 (ex MED/07)

Indirizzo: Dipartimento di Medicina Molecolare

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ISTRUZIONE

1997 Laurea in Scienze Biologiche, indirizzo “Biomolecolare”, con votazione di 110/110 e lode.

12/1998 Esame di Stato per l’abilitazione all’esercizio della professione di Biologo.

02/2002 Dottorato di Ricerca in Virologia.

CARRIERA ED ESPERIENZE DI RICERCA

03/1997-03/1998 Ricercatore industriale, AB Analitica srl, Padova. Sviluppo di kit per la diagnosi di malattie infettive.

04/1999-12/2001 Dottorando presso il Dipartimento di Istologia Microbiologia e Biotecnologie Mediche (DIMBM), Università degli Studi di Padova: Studio di meccanismi patogenetici nel corso dell’infezione da herpesvirus umano di tipo 8.

02/2002-05/2002 Contrattista presso il Dipartimento di Pediatria, Università degli Studi di Padova. Studio dell’effetto differenziativo mediato da aloe-emodina in sarcomi di Ewing e tumori neuroectodermici primitivi.

06/2002-10/2002 Borsista presso il DIMBM, Università degli Studi di Padova. Caratterizzazione del meccanismo d’azione antitumorale dell’aloe-emodina.

11/2002-12/2006 Assegnista di ricerca presso il DIMBM, Università degli Studi di Padova. Studio dei meccanismi di patogenesi di HIV-1 e HHV8 e studi di interazione tra proteine virali e cellulari per l’identificazione di potenziali target terapeutici.

06/2007-09/2008 Borsista presso l’U.O.C di Microbiologia e Virologia, dell’Azienda Ospedaliera di Padova. Diagnostica e sorveglianza dei virus influenzali.

12/2008-01/2021 Ricercatore universitario, SSD MED/07 presso il DIMBM, Università degli Studi di Padova, dal 1 gennaio 2012 presso il Dipartimento di Medicina Molecolare dell’Università degli Studi di Padova. Principali temi di ricerca: i) caratterizzazione delle interazioni tra proteine virali e cellulari al fine di identificare potenziali bersagli per approcci antivirali; ii) sorveglianza, epidemiologia molecolare, meccanismi di patogenesi dei virus influenzali e di agenti zoonotici; iii) sviluppo di nuovi composti antimicrobici; iv) diagnostica molecolare delle malattie infettive.

2011-2017 Dirigente Biologo, Azienda Ospedaliera di Padova. Attività di diagnostica molecolare delle infezioni e di sorveglianza dei virus dell’influenza.

2013-14 Visiting Scientist presso l’Istituto Svedese per il controllo delle malattie (dal 2014 Agenzia di Sanità Pubblica della Svezia) – Solna, (Stoccolma), Svezia. Studio della biologia del virus della febbre emorragica della Crimea e Congo in mammifero e artropode. Ricerca di antivirali nei confronti del virus Ebola.

10/2016-09/2017 Visiting Scientist presso l'Agenzia di Sanità Pubblica della Svezia – Solna, (Stoccolma), Svezia. Screening per la ricerca di geni cellulari essenziali per l'infezione di virus altamente patogeni utilizzando cellule aploidi e studio della patogenesi virale in modelli di organoidi.

01/2021- Professore associato, SSD MED/07, Dipartimento di Medicina Molecolare dell'Università degli Studi di Padova. Principali temi di ricerca: i) Interazioni virus/ospite; ii) sorveglianza, epidemiologia molecolare e diagnostica di agenti zoonotici emergenti; iii) sviluppo di nuovi composti antimicrobici.

Sono coautore di 77 articoli su riviste peer review. L'attività scientifica è stata presentata in 33 conferenze internazionali e 57 nazionali.

ATTIVITÀ EDITORIALE

- Guest editor per il Thematic issue di Pathogens and Disease su “Emerging and re-emerging viruses”.
- Membro dell'Editorial Board di Pathogens (MDPI), Sezione “Viral pathogens” (2020-).
- Guest editor per lo Special issue di Pathogens su “Highly Pathogenic Viruses: Challenges for Diagnostics Development and Drug Discovery” (2021-2022).
- Guest editor per lo Special issue di Pathogens su “Antiviral Strategies against Human Respiratory Viruses” (2024-2025).

AFFILIAZIONI ED INCARICHI

Membro delle seguenti società/comitati: Società Italiana di Virologia (SIV) (2001-2016); comitato organizzatore del Congresso Nazionale SIV (2002-2012); Comitato esecutivo SIV (2004-2007); Società Europea di Virologia (2009-); Task Force sull'influenza pandemica H1N1v (Azienda Ospedaliera di Padova, 2009-2010); Federazione delle Società Europee di Microbiologia (2010-); Società Svedese di Virologia (2013-); Società Italiana di Virologia – Italian Society for Virology (SIV-ISV) (2016-); International Society on Crimean-Congo Hemorrhagic Fever (2017-); International Society for Infectious Diseases – ISID (2018-).

PREMI E RICONOSCIMENTI PER L'ATTIVITÀ SCIENTIFICA

- Premio “Viruses” per la presentazione “The persistent infection of tick cells by Hazara orthonairovirus is mediated by virus-derived DNA forms” conferito durante il 3rd National Congress of the Italian Society for Virology "SIV-ISV" - Padova, September 10-12, 2019.
- Premio per il miglior articolo del 2020 pubblicato su FEMS Pathogens and Disease (Federazione delle Società Europee di Microbiologia).

ATTIVITÀ DI REVISORE

Revisore per le riviste: 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, npj Vaccines, Virology Journal, Scientific Reports.

PARTECIPAZIONE A TAVOLE ROTONDE

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

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

CORSI DI FORMAZIONE

"Corso di addestramento teorico/pratico" - Progetto CCM/NIC-ISS – Costruzione ed implementazione di una rete di laboratori per la sorveglianza virologica dell'influenza, con particolare riferimento alla diagnostica dei virus influenzali con potenziale pandemico. Centro Nazionale OMS per la Sorveglianza dell'Influenza (NIC) - Istituto Superiore di Sanità, Roma 11-14 Dicembre 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.

"Corso di addestramento teorico/pratico per l'abilitazione ad operare in laboratorio BSL4". Swedish Institute for Communicable Disease Control – Solna, (Stoccolma), Svezia, Febbraio-Aprile 2013.

ORGANIZZAZIONE DI CONGRESSI NAZIONALI ED INTERNAZIONALI

Organizzazione di 10 edizioni del 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.

ATTIVITÀ DIDATTICA

Tutore/relatore o correlatore di lauree triennali e specialistiche/magistrali in ambito biologico/biotecnologico. Tutor di studenti di Medicina e Chirurgia nell'attività di tirocinio pre-clinico. Docente in insegnamenti MED/07 in corsi di laurea della Scuola di Medicina e Chirurgia e della Scuola di Scienze MM.FF.NN: Microbiologia nel CLMCU Medicina e Chirurgia; Microbiologia Medica e Tecniche diagnostiche innovative nel CCS Biotecnologie; Laboratory activities 4 nel CCL Medical Biotechnologies. Docente di "Microbiologia e microbiologia clinica 3" nella Scuola di Specializzazione in Microbiologia e Virologia. Lezioni specialistiche di diagnostica microbiologica e/o virologia in corsi di aggiornamento con ECM.

PUBBLICAZIONI

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. Infectious Agents and 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) 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.
- 24) 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.
- 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, Hellday 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, Griboaldo 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, Tagliatalata-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.
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- 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.

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