

# Claudio Cermelli

## Curriculum vitae

- Borne on April 24 1963, in Asti, Italy
- 1982 graduation at High School "Liceo Classico Muratori" in Modena
- 1986 degree in Biological Sciences at the University of Modena fighting a thesis on the setting of an ELISA for HPV antibody detection
- 1992 PhD in "Cellular and Molecular Pathology" at the University of Modena fighting a thesis on the HHV-6 epidemiology and pathogenesis
- Nov 2003-Jul 2004 Volunteer at the Laboratory of Viral Diagnostic of the Policlinico Hospital of Modena
- 1994-2005 University Researcher in Clinical Microbiology at the School of Medicine of the University of Modena, teaching in the degree courses of Medicine and Surgery, Biomedical Laboratory Techniques, Biotechnolgy and in Specialization School of Microbiology and Virology
- Nov 1999- Dec 2000 Special Volunteer at the laboratory of Viral Immunology of the National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD, USA, working on a project on HHV-6 and multiple sclerosis
- Dec 2001-Feb 2002 Invited Researcher at the laboratory of Viral Immunology of the National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD, USA working on a project on HHV-6 and epilepsy
- Apr 2003- May 2003 Invited Researcher at the laboratory of Viral Immunology of the National Institute of Neurological Disorders and Stroke, NIH, Bethesda, MD, USA working on a project on HHV-6 and epilepsy
- Nov 1<sup>st</sup> 2005-to date Associate Professor in Clinical Microbiology at the School of Medicine of the University of Modena and Reggio Emilia, teaching in the degree courses of Medicine and Surgery, Biomedical Laboratory Techniques, Nursery and in Specialization School of Microbiology and Virology

1. Portolani M, Mantovani G, Pietrosevoli P, Cermelli C, Boselli F. Antibodies to papillomavirus genus-antigens in women with genital warts. *Microbiologica*, 10, 271-279, 1987.

2. Portolani M, Pietrosemoli P, Cermelli C, Mannini-Palenzona A, Grossi MP, Paolini L, Barbanti-Brodano G. Suppression of BK virus replication and cytopathic effect by inhibitors of prokaryotic DNA gyrase. *Antiviral Research* *Antiviral Research*, 9, 205-218, 1988.
3. Portolani M, Cermelli C, Pietrosemoli P, Pecorari M, Farabegoli F, Cavazzuti GB, Bertolani MF, Micheli A. Isolation of HHV-6-related virus from children affected by infectious syndromes. *Archives of Virology*, 110,143-149, 1990.
4. Pecorari PG, Rinaldi M, Costantino L, Provvisionato A, Cermelli C, Portolani M. Synthesis and biological activity of pyrimido[2,1-b] [1,3]thiazine, [1,3]thiazino][2,3-a]purine and [1,2,3]triazolo[4,5-d][1,3]thiazino[3,2-a]pyrimidine derivatives and thiazole analogues. *Il Farmaco*, 46, 899-911, 1991.
5. Bertolani MF, Marotti F, Guaraldi C, Portolani M, Cermelli C, Pecorari M, Sabbatini AMT. Convulsioni febbrili ed infezione da herpesvirus-6. *Acta Paediatrica Latina*, 44, 4, 234-241, 1991.
6. Cermelli C, Moroni A, Pietrosemoli P, Pecorari M, Portolani M. IgG antibodies to human herpesvirus-6 (HHV-6) in Italian people. *Microbiologica*, 15,57-64,1992.
7. Di Luca D, Mirandola P, Secchiero P, Cermelli C, Aleotti A, Bovenzi P, Portolani M, Cassai E. Characterization of human herpesvirus 6 strains isolated from patients with exanthem subitum with or without cutaneous rash. *The Journal of Infectious Diseases*, 166, 689, 1992.
8. Rinaldi M, Pecorari P, Costantino L, Provvisionato A, Malagoli M, Cermelli C. Synthesis and biological activities of new heterocyclic structures: [1,3]thiazino[2,3-i]purine, thiazolo[3,2-c]triazolo [4,5-e]pyrimidine and [1,2,3]triazolo[4',5':4,5]pyrimido[6,1-b][1,3]thiazine. *Il Farmaco*, 47, 1315-1322, 1992.
9. Aloisi P, Cermelli C, Ghirardini C, Raisi O. Follow up di lesioni genitali squamose e biotipi di papillomavirus coinvolti nelle lesioni. *Pandora*, 3, 23-27,1992.
10. Rinaldi M, Pecorari P, Cermelli C, Malagoli M New heterocyclic structures: thiazolo[3,2-a] [1,2,5]thiadiazolo[3,4-d]pyrimidine and [1,2,5]thiadiazolo [3',4':4,5]pyrimido [2,1-b][1,3]thiazine. *Biological assays. Il Farmaco*, 48, 427-433, 1993.
11. Portolani M, Cermelli C, Moroni A, Bertolani MF, Di Luca D, Cassai E, Sabbatini AM. Human herpesvirus-6 (HHV-6) infections in infants admitted to hospital. *Journal of Medical Virology*, 39, 146-151, 1993.
12. Mantovani G, Cermelli C, Malagoli M, Provvisionato CA, Ferrari P, Castagnetti M, Portolani M. IgG Antibodies to papillomavirus genus-antigens in adult men with cancer of the urinary bladder. *Microbiologica*, 17, 1-8, 1994.
13. Raisi O, Ghirardini C, Aloisi P, Cermelli C, Portolani M. HPV typing of cervical squamous lesions by in situ HPV DNA hybridization: influence of HPV type and therapy on the follow up of low-grade squamous cervical disease. *Diagnostic Cytopathology*, 11, 28-32, 1994.

14. Cermelli C, Moroni A, Montorsi M, Fabio G, Portolani M. Comparison between immunofluorescence and enzyme-linked-immunosorbent assay in the determination of serum HHV-6 IgG. *Microbiologica*, 17, 69-73, 1994.
15. Cermelli C, Fabio G, Montorsi M, Di Luca D, Portolani M. Antigenic outline of HHV-6 variants from infants with febrile illness. *Microbiologica*, 17, 243-248, 1994.
16. Portolani M, Cermelli C, Mirandola P, Di Luca D. Isolation of human herpesvirus 7 (HHV-7) from an infant with febrile syndrome. *Journal of Medical Virology*, 45, 282-283, 1995.
17. Tropea F, Troiano L, Monti D, Lovato E, Malorini W, Rainaldi G, Mattana P, Viscomi G, Ingletti MC, Portolani M, Cermelli C, Cossarizza A, Franceschi C. Sendai virus and herpes simplex virus type 1 induce apoptosis in human peripheral blood mononuclear cells. *Experimental Cell Research* 218, 63-70, 1995.
18. Portolani M, Cermelli C, Sabbatini AMT, Giovannetti R, Ferrari P, Capriotti T, Rivasi F. A fatal case of congenital cytomegalic inclusion disease following recurrent maternal infection. *Microbiologica*, 18, 427-428, 1995.
19. Portolani M, Meacci M, Pecorari M, Pietrosemoli P, Cermelli C, Cellini M, Tampieri A, Tartoni P, Stella F. Quantitation of HIV-1 p24 antibody expressed as relative binding capacity p24 antigen (p24 RBC) in infants born to HIV-1 seropositive mothers: correlation of this serological marker with the HIV-1 maternal antibody course and p24 antigenemia detection. *Viral Immunology*, 8 (2), 93-99, 1995.
20. Portolani M, Cermelli C, Pecorari M, Meacci M, Pietrosemoli P, Bertolani P, Di Biase AR, Viola L. Primary infection by human herpesvirus-6 associated with infectious mononucleosis-like syndrome. *Giornale Italiano di Malattie Infettive*, 6, 365-368, 1995.
21. Coluccia M, Boccarelli A, Cermelli C, Portolani M, Natile G. Platinum(II)-acyclovir complexes: synthesis, antiviral and antitumoral activity. *Metal Based Drugs*, 2, 249-256, 1995.
22. Ghirardini C, Raisi O, Camerlo M, Prosperi L, Cermelli C. A three year follow-up of low grade squamous intraepithelial lesions: persistence of lesions is significantly influenced by the presence of high risk papillomaviruses. *Medicine Biologie Environment*, 23 (2), 141-143, 1995.
23. Portolani M, Fabio G, Pecorari M, Pietrosemoli P, Meacci M, Sabbatini AMT, Cermelli C, De Rienzo B. Search for human herpesvirus 6 and human cytomegalovirus in bronchoalveolar lavage from patients with human immunodeficiency virus-1 and respiratory disorders. *Journal of Medical Virology*, 48, 179-183, 1996.
24. Cermelli C, Fabio G, Montorsi M, Sabbatini AMT, Portolani M. Prevalence of antibodies to human herpesviruses 6 and 7 in early infancy and age at primary infection. *Microbiologica*, 19, 1-8, 1996.

25. Cermelli C, Concarì M, Carubbi, Fabio G, Sabbatini AMT, Pecorari P, Pietrosemoli P, Meacci M, Guicciardi ME, Carulli N, Portolani M. Growth of human herpesvirus 6 in Hepg2 cells. *Virus Research*, 45, 75-85, 1996.
26. Cermelli C, Portolani M, Colombari B, Castelli M, Baggio G, Bossa R, Galatusas J, Rossi T. Activity of glycyrrhizin and its diastereoisomers against two new human herpesviruses: HHV-6 and HHV-7. *Phytotherapy Research*, 10, 27-28, 1996.
27. Portolani M, Cermelli C, Meacci M, Pietrosemoli P, Pecorari M, Sabbatini AMT, Leoni S, Guerra A, Bonaccorsi G. Primary infection by HHV-6 variant B associated with a fatal case of hemophagocytic syndrome. *Microbiologica*, 20, 7-11, 1997.
28. Portolani M, Meacci M, Sabbatini AMT, Pietrosemoli P, Pecorari M, Cermelli C, De Rienzo B. Search for herpesvirus DNA in cerebrospinal fluid of HIV patients with brain disorders: prevalence of cytomegalovirus DNA finding. *Journal of Neurovirology*, 3, 192-196, 1997.
29. Sabbatini AMT, Pietrosemoli P, Mantovani G, Corassori L, Mattei F, Guidi B, Borghi A, Squadrini F, Cermelli C, Portolani M. On an outbreak of aseptic meningitis by Echo 30. *L'Igiene Moderna*, 107, 303-309, 1997.
30. Cermelli C, Pietrosemoli P, Meacci M, Pecorari M, Sabbatini AMT, Colombari B, Portolani M. SupT-1: a cell system suitable for an efficient propagation of both HHV-7 and HHV-6 variants A and B. *Microbiologica*, 20, 187-196, 1997.
31. Castelli M, Malagoli M, Ruberto AI, Baggio A, Casolari C, Cermelli C, Bossa MR, Rossi T, Paolucci F, Roffia F. In-vitro studies of two 5-nitroimidazole derivatives: preliminary findings. *The Journal of Antimicrobial Chemotherapy*, 40, 19-25, 1997
32. Cermelli C, Portolani M. Etiologia e diagnostica delle infezioni del sistema nervoso centrale: agenti virali. *Microbiologia Medica*, 12, 1997.
33. Quaglio P, Cermelli C, Corona A, Fabio G, Villani DS. Indagine sulla presenza di *Escherichia coli* verocitotossici in prodotti carnei. *L'Igiene Moderna*, 108, 189-199, 1997.
34. Portolani M, Leoni S, Guerra A, Cermelli C, Mantovani G, Pietrosemoli P, Meacci M, Sabbatini AMT, Pecorari M. Human herpesvirus 7 DNA in cerebrospinal fluid. *Minerva Pediatrica*, 50, 39-44, 1998.
35. Malagoli M, Castelli M, Baggio A, Cermelli C, Garuti L, Rossi T. Effect of glycyrrhizin and its diastereoisomers on the growth of human tumor cells: preliminary findings. *Phytotherapy Research*, 12, S95-S97, 1998.
36. Garuti L, Roberti M, Rossi T, Cermelli C, Portolani M, Malagoli M, Castelli M. Synthesis, antiviral and antiproliferative activity of some N-benzenesulphonyl-2-(2- or 3-pyridylethyl)-benzimidazoles. *Anti-Cancer Drug Design*, 13, 397-406, 1998.

37. Portolani M, Pietrosemoli P, Meacci M, Sabbatini AMT, Pecorari M, Mantovani M, Cermelli C. Detection of Epstein-Barr virus DNA in cerebrospinal fluid from immunocompetent individuals with brain disorders. *New Microbiologica*, 21, 77-79, 1998.
38. Portolani M, Sabbatini AMT, Meacci M, Pietrosemoli P, Cermelli C, Lunghi P, Golinelli F, Stacca R. Epstein-Barr virus DNA in cerebrospinal fluid from an immunocompetent man with herpes simplex virus encephalitis. *Journal of NeuroVirology*, 4, 461-464, 1998.
39. Nanni H, Bronzetti I, Cermelli C, Corona A, Fabio G, Villani DS, Quaglio P. Indagine sulla eventuale presenza e distribuzione di ceppi di Escherichia coli entero-emorragici (EHEC) in matrici alimentari. *L'Igiene Moderna*, 110, 1-10, 1998.
40. Fabio U, Cermelli C, Sensoli E, Fabio G, Quaglio P. Incidence of verocytotoxin producing Escherichia coli O 157 and free verocytotoxins in diarrhoeal faeces. *Alpe Adria Microbiology Journal*, 7, 141-143, 1998.
41. Garuti L, Varoli L, Cermelli C, Baggio G, Lupo L, Malagoli M, Castelli M. Synthesis and antiproliferative activity of some N-sulphonated-2-substituted benzimidazoles and imidazo[4,5-b]pyridines. *Anti-Cancer Drug Design*, 13, 969-980, 1998.
42. Portolani M, Cermelli C, Meacci M, Pietrosemoli P, Sabbatini AMT, Cerri MC, Guaraldi G, De Rienzo B. Epstein-Barr virus DNA in the cerebrospinal fluid of patients with human immunodeficiency virus infection and central nervous system disorders. *Microbiologica*, 22, 369-374, 1999.
43. Garuti L, Roberti M, Cermelli C. Synthesis and antiviral activity of some N-benzenesulphonylbenzimidazoles. *Bioorganic & Medicinal Chemistry Letters*, 9 (17), 2525-30, 1999.
44. Cermelli C, Concari M, Pietrosemoli P, Meacci M, Sabbatini AMT, Divincenzo A, Carubbi F, Loria P, Bagni A, Carulli N, Portolani M. Herpesvirus DNA is frequently detected in liver tissue from hepatitis C patients. *Journal of Clinical Virology*, 14 (1), 9-16, 1999.
45. Quaglio P, Cermelli C, Fabio G, Fabio U. Detection of Escherichia coli verocytotoxin in stools of patients with diarrhoea. *Alpe Adria Microbiology Journal*, 8, 59-62, 1999.
46. Quaglio P, Corona A, Fabio G, Cermelli C. Sensitivity of Escherichia coli VTEC to selected spices. *L'Igiene Moderna*, 112, 1787-1795, 1999.
47. Castelli M, Malagoli M, Lupo L, Roffia S, Paolucci F, Cermelli C, Zanca A, Baggio G. Cytotoxicity and probable mechanism of action of sulphimidazole. *Journal of Antimicrobial Chemotherapy* 46 (4), 541-550, 2000.
48. Cermelli C and Jacobson S. Viruses and Multiple Sclerosis. *Viral Immunology*, 13 (3), 255-267, 2000.

49. Castelli M, Malagoli M, Lupo L, Rossi Riccomi T, Casolari C, Cermelli C, Zanca, Baggio G. Antiviral and antiproliferative activity in vitro of some new benzimidazole derivatives. *Pharmacology & Toxicology*, 88 (22), 67-74, 2001.
50. Mayne M., Cheadle C., Soldan S.S.S., Cermelli C., Yamano Y., Akhyani N., Nagel J.E., Taub D.D., Becker K.G., Jacobson S. Gene expression profile of herpesvirus-infected T cells obtained using immunomicroarrays: induction of proinflammatory mechanisms. *Journal of Virology*, 75(23):11641-11650, 2001.
51. Caselli E, Boni M, Bracci A, Rotola A, Cermelli C, Castellazzi M, Di Luca D, Cassai E. Detection of Antibodies Directed against Human Herpesvirus 6 U94/REP in Sera of Patients Affected by Multiple Sclerosis. *J Clin Microbiol.* 40(11), 4131-4137, 2002.
52. Cermelli C, Fabio G, Casolari C, Quaglio P. Evaluation of a vero cell toxicity test to detect EHEC infection. *New Microbiologica* 25, 235-238, 2002.
53. Cermelli C, Vinceti M, Scaltriti E, Bazzani E, Beretti F, Vivoli G, Portolani M. Selenite inhibition of Coxsackie virus B5 replication: implications on the etiology of Keshan disease. *J Trace Elem Med Biol.* 16(1), 41-6, 2002.
54. Cermelli C, Vinceti M, Beretti F, Pietrini V, Nacci G, Pietrosevoli P, Bartoletti A, Guidetti D, Sola P, Bergomi M, Vivoli G, Portolani M. Risk of sporadic amyotrophic lateral sclerosis associated with seropositivity for herpesviruses and echovirus-7. *Eur J Epidemiol.* 18(2), 123-127, 2003.
55. Cermelli C., Berti R, Soldan SS, Mayne M, D'Ambrosia J, Ludwin SK, Jacobson S. High frequency of human herpesvirus 6 DNA in multiple sclerosis plaques isolated by laser microdissection. *J Infect Dis* 187(9):1377-87, 2003.
56. Donati D., Akhyani N., Fogdell-Hahn A., Cermelli C., Cassiani Ingoni R., Vortmeyer A., Heiss J.D., Cogen P., Gaillard W.D., Sato S., Theodore W.H., Jacobson S. Detection of human herpesvirus-6 in mesial temporal lobe epilepsy surgical brain resections. *Neurology*, 61 (10), 1405-1411, 2003.
57. Cermelli C., Cartelli D., Beretti F., Tamassia M.G., Gennari W., Pecorari M., Portolani M. Ricerca di virus nel liquido cefalo-rachidiano di pazienti con disordini neurologici acuti: possibile ruolo clinico di  $\alpha$ - e  $\beta$ - herpesvirus. *Boll Soc Med Chir Modena*, 118, 35-40, 2003
58. Fabio G., Cermelli C., Nanni H., Quaglio P. Comparison of culture and immunoassay for detection of *Escherichia coli* O157 in raw minced meat and hamburger. *Microbiologica*, 27, 191-192, 2004.
59. Tait A., Luppi A., Cermelli C. Synthesis and antiviral activity of new benzothiadiazine dioxide derivatives. *J Heterocyclic Chem*, 41 (1), 1-7, 2004.

60. Fabio G., Cermelli C., Fabio A., Casolari C., Quaglio P. Indagine sulla eziologia di infezioni a prevalente trasmissione alimentare. *L'Igiene Moderna* 122, 187-192, 2004.
61. Portolani M., Beretti F., Cermelli C., Bartoletti A., Pietrosevoli P., Bargellini A., De Pol A., Rossini G.P. Cell culture isolation of a transmissible cytotoxicity from a human sample of cerebrospinal fluid. *Neuroscience Letters* 375(1), 47-52, 2005
62. Caselli E., Bracci A., Galvan M., Boni M., Rotola A., Bergamini C., Cermelli C., Dal Monte P., Gompels U.A., Cassai E., Di Luca D. Human herpesvirus 6 (HHV-6) U94/REP protein inhibits betaherpesvirus replication. *Virology* 346 (2), 402-414, 2006.
63. Cermelli C., Cenacchi V., Beretti F., Pezzini F., Di Luca D., Blasi E. Human herpesvirus-6 dysregulates monocyte-mediated anticryptococcal defences. *Journal of Medical Microbiology* 55, 695-702, 2006.
64. Portolani M, Pecorari M, Gennari W, Beretti F, Sabbatini AM, Casolari C, Rumpianesi F, Cermelli C, Sintini M, Mori F. Case report: primary infection by human herpesvirus 6 variant a with the onset of myelitis. *Herpes* 13(3), 72-74, 2006.
65. Moschettini D, Franceschini R, Vaccaro NM, Cermelli C, Pezzini F, Balestrieri M, Cerase A, Bartalini S, Ulivelli M, Tosi GM, Donati D. Human herpesvirus-6B active infection associated with relapsing bilateral anterior optic neuritis. *Journal of Clinical Virology* 37(4), 244-247, 2006.
66. Ginanneschi F., Donati D., Moschettoni D., Dominaci F., Cermelli C., Rossi A. Encephaloradyculomyelitis associated to HHV-7 and CMV coinfection in immunocompetent host. *Clinical Neurology and Neurosurgery* 109(3), 272-276, 2007.
67. Fabio A., Cermelli C., Fabio G., Nicoletti P, Quaglio P. Screening of the antibacterial effects of a variety of essential oils on microorganisms responsible for respiratory infections. *Phytotherapy Research* 21(4), 374-377, 2007
68. Beretti F, Cenacchi V, Portolani M, Ardizzoni A, Blasi E, Cermelli C A transmissible cytotoxic activity isolated from a patient with brain ischemia causes microglial cell activation and dysfunction. *Cellular and Molecular Neurobiology*; 27,517-528, 2007.
69. Cermelli C, Fabio A, Fabio G, Quaglio P. Effect of Eucalyptus Essential Oil on Respiratory Bacteria and Viruses. *Current Microbiology* 56, 89-92, 2008.
70. Cermelli C., Orsi C.F., Ardizzoni A., Lugli E., Cenacchi V., Cossarizza A., Blasi E. Herpes simplex virus type 1 dysregulates anti-fungal defenses preventing monocyte activation and downregulating toll-like receptor-2. *Microbiology and Immunology*, 52, 1-10, 2008.
71. Vivoli R., Rovesti S., Borella P., Cermelli C. Relation between psychoneuroendocrine profile in stressful conditions and antibodies to herpesvirus 6 and 7. *Journal of Biological Regulators & Homeostatic Agents*, 22, 239-245, 2008.

72. Cermelli C, Orsi CF, Cuoghi A, Ardizzoni A, Tagliafico E, Neglia R, Peppoloni S, Blasi E. Gene expression profiling of monocytes displaying herpes simplex virus 1 induced dysregulation of antifungal defences. *J Med Microbiol*, 58,1283-90, 2009.
73. Ardizzoni A., Cappuccini B., Baschieri M.C., Orsi C.F., Rumpianesi F., Peppoloni S., Cermelli C., Meacci M., Crisanti A., Steengaard P., Blasi E. A protein microarray immunoassay for the serological evaluation of the antibody response in vertically transmitted infections. *Eur J Clin Microbiol Infect Dis*, 28: 1067-1075, 2009.
74. Cermelli C, Cuoghi A, Scuri M, Bettua C, Neglia RG, Ardizzoni A, Blasi E, Iannitti T, Palmieri B. In vitro evaluation of antiviral and virucidal activity of a high molecular weight hyaluronic acid. *Virology*, 8: 141-148, 2011
75. Ardizzoni A, Neglia RG, Baschieri MC, Cermelli C, Caratozzolo M, Righi E, Palmieri B, Blasi E. Influence of hyaluronic acid on bacterial and fungal species, including clinically relevant opportunistic pathogens. *J Mater Sci Mater Med* , 22: 2329-2338, 2011.
76. Mazaheritehrani E, Sala A., Orsi CF, Neglia RG, Morace G, Blasi E, Cermelli C. Human pathogenic viruses are retained in and released by *Candida albicans* biofilm in vitro. *Virus Research*,179:153-60, 2014
77. Forghieri F, Luppi M, Barozzi P, Riva G, Morselli M, Bigliardi S, Quadrelli C, Vallerini D, Maccaferri M, Coluccio V, Paolini A, Colaci E, Bonacorsi G, Maiorana A, Tagliazucchi S, Rumpianesi F, Mattioli F, Presutti L, Gelmini R, Cermelli C, Rossi G, Comoli P, Marasca R, Narni F, Potenza L. Chronic and recurrent benign lymphadenopathy without constitutional symptoms associated with human herpesvirus-6B reactivation *Br J Haematol*. 2016 Feb;172(4):561-72.
78. Ascione C, Sala A, Mazaheri-Tehrani E, Paulone S, Palmieri B, Blasi E, Cermelli C Herpes Simplex Virus-1 entrapped in *Candida albicans* biofilm displays decreased sensitivity to antivirals and UVA1 laser treatment. *Ann Clin Microbiol Antimicrob*; 16(1):72, 2017
79. Beretti F, Ardizzoni A, Cermelli C, Guida M, Maraldi T, Pietrosevoli P, Paulone S, De Pol A, Blasi E, Portolani M Apoptosis and inflammatory response in human astrocytes are induced by a transmissible cytotoxic agent of neurological origin. *New Microbiologica*, 40, 1, 27-32, 2017
80. Paulone S, Ardizzoni A, Tavanti A, Piccinelli S, Rizzato C, Lupetti A, Colombari B, Pericolini E, Polonelli L, Magliani W, Conti S, Posteraro B, Cermelli C, Blasi E, Peppoloni S. The synthetic Killer Peptide KP impairs *Candida albicans* biofilm in vitro. *PLoS One* 12(7), 2017
81. Sala A, Ardizzoni A, Ciociola T, Magliani W, Conti S, Blasi E, Cermelli C. Antiviral Activity of Synthetic Peptides Derived from Physiological Proteins. *Intervirology*. 61(4), 166-173, 2018
82. Peppoloni S, Pericolini E, Colombari B, Pinetti D, Cermelli C, Fini F, Prati F, Caselli E, Blasi E. The  $\beta$ -Lactamase Inhibitor Boronic Acid Derivative SM23 as a New Anti-*Pseudomonas aeruginosa* Biofilm. *Front Microbiol*. 2020

83. Palmieri B, Vadalà M, Roncati L, Garelli A, Scandone F, Bondi M, Cermelli C. The long-standing history of *Corynebacterium parvum*, immunity, and viruses. *J Med Virol*. 2020
84. Ardizzoni A, Sala A, Colombari B, Giva LB, Cermelli C, Peppoloni S, Vecchiarelli A, Roselletti E, Blasi E, Wheeler RT, Pericolini E. Perinuclear Anti-Neutrophil Cytoplasmic Antibodies (pANCA) Impair Neutrophil Candidacidal Activity and Are Increased in the Cellular Fraction of Vaginal Samples from Women with Vulvovaginal Candidiasis. *J Fungi (Basel)*. 2020 Oct 16;6(4):225
85. Marchesi I, Sala A, Frezza G, Paduano S, Turchi S, Bargellini A, Borella P, Cermelli C. In vitro virucidal efficacy of a dry steam disinfection system against Human Coronavirus, Human Influenza Virus, and Echovirus. *J Occup Environ Hyg*. 2021 Dec;18(12)
86. Sala A, Ardizzoni A, Spaggiari L, Vaidya N, van der Schaaf J, Rizzato C, Cermelli C, Mogavero S, Krüger T, Himmel M, Kniemeyer O, Brakhage AA, King BL, Lupetti A, Comar M, de Seta F, Tavanti A, Blasi E, Wheeler RT, Pericolini E. A New Phenotype in *Candida*-Epithelial Cell Interaction Distinguishes Colonization- versus Vulvovaginal Candidiasis-Associated Strains *mBio*. 2023 Apr 25;14(2):e0010723.
87. Recupido F., Ricchi F., Lama G.C., Soriente A., Raucci M.G., Buonocore G.G., Cermelli C., Marchesi I., Paduano S., Bargellini A., Mansi A, Verdolotti L. Zein-based nanostructured coatings: A green approach to enhance virucidal efficacy of protective face masks. *Int J Biol Macromol*. 2024 Dec 16:290:138830-
88. Rigo M., Khatami H., Mansi A., Marcelloni A.M., Proietto A.R., Chiominto A. Amori I., Bargellini A., Marchesi I., Frezza G., Lipani F., Cermelli C., Rossini A., Quaresimin M., Zappalorto M., Pontefisso A., Pastrello M., Rossetto D., Modesti M., Sgarbossa P., Bertani R. Revealing Commercial Epoxy Resins' Antimicrobial Activity: A Combined Chemical-Physical, Mechanical, and Biological Study. *Polymers (Basel)* . 2024 Sep 11;16(18):2571.
89. Sala A, Ricchi F, Giovati L, Conti S, Ciociola T, Cermelli C Anti-Herpetic Activity of Killer Peptide (KP): An In Vitro Study. *Int J Mol Sci*. 2024 Oct 1;25(19):10602.
90. Beretti F., Gatti M., Ricchi F., Lipani F., Cortelli P., Cermelli C., Maraldi T. Neurotoxic effects of coronavirus: Potential implications in Alzheimer's onset and progression. *Exp Neurol*. 2024 Oct:380:114908.
91. Ricchi F, Caramaschi S, Sala A, Franceschini L, Fabbiani L, Ardizzoni A, Blasi E, Cermelli C. *Candida albicans* as a Trailblazer for Herpes Simplex Virus-2 Infection Against an In Vitro Reconstituted Human Vaginal Epithelium. *Microorganisms*. 2025 Apr 14;13(4):905.