

- **NOME:** Paola Mastromarino
- **MAIL:** paola.mastromarino@uniroma1.it
- **MATERIE DI RIFERIMENTO:** Microbiology
- **BIOGRAPHY:**

Dopo aver ottenuto la Laurea con lode in Scienze Biologiche e la Specializzazione con lode in Microbiologia presso l'Università di Roma "La Sapienza" ha successivamente svolto attività di "Coadiutore Biologo" presso il II Primariato di Analisi Microbiologiche. Svolge un'ampia attività didattica insegnando Microbiologia nei corsi di laurea di Infermieristica, Fisioterapia, tecnici di laboratorio e di radiologia così come nella Laurea Specialistica in Microbiologia.

ESPERIENZE RECENTI

attività didattiche

- **Corso di Laurea Specialistica in Medicina e Chirurgia**
"Microbiologia" dall'A.A 1992/93 a A.A 2006/17.
- **Corsi di Laurea**
 - **Microbiologia** nel Corso di Laurea in **Infermiere Generale e Pediatrico**, sede di Rieti (A.A. 2001/2002, 2002/2003).
 - **Microbiologia** nel Corso di Laurea in **Fisioterapisti**, sede di Rieti (dall'A.A 2001/2002 a A.A 2006/17).
 - **Microbiologia** nel Corso di Laurea in **Tecnico di Laboratorio biomedico**, sede di Rieti (dall'A.A 2006/2007 ad oggi).
 - **Microbiologia** nel Corso di Laurea in **Tecnico di Radiologia**, sede di Rieti (dall'A.A 2016/2017 ad oggi).
- **Corsi di Diploma Universitario**
 - Microbiologia nel Corso di Diploma Universitario in Scienze Infermieristiche, sede di Rieti (dall'A.A. 1994/95 all'A.A. 2000/2001).

- Analisi Microbiologiche nel Corso integrato di Microbiologia I nel Corso di Diploma Universitario per Tecnico di Laboratorio Biomedico (dall'A.A 1992/93 all'A.A. 1997/98).

Incarichi di coordinamento didattico

- Coordinatore del corso integrato Basi Fisiopatologiche delle Malattie dell'Università di Roma "Sapienza".

PUBBLICAZIONI ACCADEMICHE

1. G Neri, **P. Mastromarino**, D. Seminara, E. F. Walborg. Influence of neuraminidase and mytomicin C on the immunogenicity of Novikoff tumor cells. *Cancer Immunology and Immunotherapy* **5**, 229-234, 1979.

2. L.Sinibaldi, A. De Stasio, **P. Mastromarino**, L. Seganti, P. Valenti, N. Orsi. Different sensitivity of hemagglutinating and hemolytic activities of Sendai virus to non-antibody inhibitors. *Bollettino Istituto Sieroterapico Milanese* , **58**, 365-370, 1979.

3. **P. Mastromarino**, G. Neri, A. Serra, E. F. Walborg. Role of cell surface receptor mobility in concanavalin A-induced agglutination of Novikoff hepatoma and normal rat liver cells. *Journal of Cell Science* **42**, 169-182, 1980.

4. A. De Stasio, **P. Mastromarino**, A. Pana', L. Seganti, L. Sinibaldi, P. Valenti, N. Orsi. Characterization of a glycoprotein inhibitor present in human serum and active towards BK virus hemagglutination. *Microbiologica* **3**, 293-305, 1980.

5. P. Valenti, A. De Stasio, L. Seganti, **P. Mastromarino**, L. Sinibaldi, N. Orsi. Capacity of Staphylococci to grow in the presence of ovotransferrin or CrCl₃ as a character of potential pathogenicity. *Journal of Clinical Microbiology* **11**, 445-447, 1980.

6. **P. Mastromarino**, L. Seganti, N. Orsi. Relationship between enzymatic modifications of serum low density lipoproteins and their hemagglutination inhibiting activity towards Sindbis virus. *Archives of Virology* **65**, 37-44, 1980.

7. L. Seganti, **P. Mastromarino**, A. De Stasio, L. Sinibaldi, P. Valenti, N. Orsi. Separation by affinity chromatography of human very low and low density lipoproteins inhibiting Sindbis virus haemagglutination. *Acta Virologica* **24**, 311-316, 1980.

8. L. Seganti, P. Valenti, **P. Mastromarino**, L. Sinibaldi, A. De Stasio, N. Orsi. Inhibition of staphylococcal delta-hemolysin by human serum lipoproteins and their components. *Annali Sclavo* **22**, 719-728, 1980.
9. P. Valenti, A. De Stasio, **P. Mastromarino**, L. Seganti, L. Sinibaldi, N. Orsi. Influence of bicarbonate and citrate on the bacteriostatic action of ovotransferrin towards Staphylococci. *FEMS Microbiology Letters* **10**, 77-79, 1981.
10. L. Seganti, **P. Mastromarino**, F. Superti, L. Sinibaldi, N. Orsi. Receptors for BK virus on human erythrocytes. *Acta Virologica* **25**, 177-181, 1981.
11. L. Seganti, **P. Mastromarino**, F. Superti, A. Pana', N. Orsi. Comparative study of non antibody inhibitors present in plasma of different animal species and active towards BK virus, a human papovavirus. *Microbiologica* **4**, 395-402, 1981.
12. L. Seganti, **P. Mastromarino**, F. Superti, L. Sinibaldi, N. Orsi. Role of carbohydrates in cell membrane receptors for vesicular stomatitis virus. *Bollettino Istituto Sieroterapico Milanese* **61**, 294-299, 1982.
13. L. Seganti, M. Grassi, **P. Mastromarino**, A. Pana', F. Superti, N. Orsi. Activity of human serum lipoproteins on the infectivity of rhabdoviruses. *Microbiologica* **6**, 91-99, 1983.
14. F. Chiarini, **P. Mastromarino**, L. Seganti, N. Orsi. A study on the erythrocyte structures involved in the interaction with mannose resistant E. coli adhesins. *Bollettino Istituto Sieroterapico Milanese* **62**, 420-425, 1983.
15. **P. Mastromarino**, C. Conti, N. Orsi. Effect of concanavalin A on early interactions of Sindbis virus with goose erythrocytes and BHK21 cells. *Microbiologica* **9**, 295-303, 1986.
16. **P. Mastromarino**, C. Conti, P. Goldoni, B. Hautecoeur, N. Orsi. Characterization of membrane components of the erythrocyte involved in vesicular stomatitis virus attachment and fusion at acidic pH. *Journal of General Virology*, **68**, 2359-2369, 1987.
17. C. Conti, **P. Mastromarino**, M. G. Ciuffarella, N. Orsi. Characterization of rat brain cellular membrane components acting as receptors for vesicular stomatitis virus. *Archives of Virology* **99**, 261-269, 1988.
18. **P. Mastromarino**, C. Conti, S. Rieti, N. Orsi. Identification of lipid components of human serum lipoproteins involved in the inhibition of Sindbis virus infectivity, hemagglutination and hemolysis. *Archives of Virology*, **103**, 243-252, 1988.
19. **P. Mastromarino**, C. Conti, S. Rieti, N. Orsi. Involvement of lipids in the interaction of Sindbis virus with goose erythrocytes. *Microbiologica* **12**, 113-120, 1989.

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21. F. Chiarini, **P. Mastromarino**, G.B. Orsi, T. Riscaldati.
Adhesiveness of *Pseudomonas aeruginosa* to rabbit vesical mucosa: effect of glycosidases on cellular binding. *Annali di Igiene, Medicina Preventiva e di Comunita'*, **1**, 399-408, 1989
22. **P. Mastromarino**, S. Rieti, L. Cioe', N. Orsi. Binding sites for rubella virus on erythrocyte membrane. *Archives of Virology*, **107**, 15-26, 1989.
23. C. Conti, **P. Mastromarino**, P.Valenti, P.Tomao, N.Orsi. Effect of Desferrioxamine B, a metal chelating agent, on rhabdovirus multiplication. *Bollettino Istituto Sieroterapico Milanese*, **69**, 2, 1990.
24. **P. Mastromarino**, L. Cioe', S. Rieti, N. Orsi. Role of membrane phospholipids and glycolipids in the Vero cell surface receptor for rubella virus. *Medical Microbiology and Immunology*, **179**, 105-114, 1990.
25. F. Chiarini, **P. Mastromarino**, A. Mansi, S. Rieti, N. Orsi. Role of membrane glycosphingolipids as *Pseudomonas aeruginosa* adhesin receptor in rabbit bladder mucosa. *Microbiologica*, **13**, 91-95, 1990.
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27. C. Conti, **P. Mastromarino**, A. Riccioli, N. Orsi. Electrostatic interactions in the early events of VSV infection. *Research in Virology*, **142**, 17-24, 1991.
28. P. Valenti, M.P. Conte, **P. Mastromarino**, M.F. Pirillo, P. Visca, L. Seganti. Effect of antibiotics on polycation-treated *Escherichia coli* HB 101 (pRI 203). *Journal of Chemotherapy*, **3**, suppl. 1, 201-204, 1991.
29. **P. Mastromarino**, C. Conti, R. Petruzzello, R. Lapadula, N. Orsi. Effect of polyions on the early events of Sindbis virus infection of Vero cells. *Archives of Virology*, **121**, 19-27, 1991.
30. **P. Mastromarino**, L. Seganti, R. Petruzzello, R. Gabrieli, M. Divizia, A. Pana', N. Orsi. Influence of polyions on the early steps of enterovirus infection. *Journal of Chemotherapy*, **4**, 203-208, 1991.
31. C. Conti, **P. Mastromarino**, N. Orsi. Role of membrane phospholipids and glycolipids in cell-to-cell fusion by VSV. *Comparative Immunology, Microbiology and infectious Diseases*, **14**, 303-313, 1991.
32. Beales PE; Toscano A; Petruzzello R; **Mastromarino P**, Signore A, Pozzilli P. Anticomplement activity in NOD mouse- Protective role in beta cell autoimmunity. *Diabetologia*, 1992: 35 Suppl 1: A207-A207

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34. **P. Mastromarino**, C. Conti, R. Petruzziello, A. De Marco, F. Pica, M. G. Santoro. Inhibition of Sindbis virus replication by cyclopentenone prostaglandins: a cell-mediated event associated with heat shock protein synthesis. *Antiviral Research*, **20**, 209-222, 1993.
35. M. Marchetti, **P. Mastromarino**, S. Rieti, L. Seganti, N. Orsi. Inhibition of herpes simplex, rabies and rubella viruses by lectins with different specificity. *Research in Virology*, **146**, 211-215, 1995.
36. R. Petruzziello, N. Orsi, S. Macchia, S. Rieti, T. K. Frey, **P. Mastromarino**. Pathway of rubella virus infectious entry into Vero cells. *Journal of General Virology*, **77**, 303-308, 1996.
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39. C. Conti, **P. Mastromarino**, R. Sgrò, N. Desideri. Anti-picornavirus activity of synthetic flavon-3-yl esters. *Antiviral Chemistry and Chemotherapy*, **9**, 511-515, 1998
40. C. Conti, A. De Marco, **P. Mastromarino**, P. Tomao, M. G. Santoro. Antiviral effect of hypertermic treatment in rhinovirus infection. *Antimicrobial Agents and Chemotherapy*, **43**, 822-829, 1999.
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44. **P. Mastromarino**, S. Macchia, M. Crisogianni, F. Scazzocchio, K. Vestiti, M. C. Carbone, E. Cipolletta, M. Bonamico. Detection of *Helicobacter pylori* in the oral cavity of children. *Gut*, **47**, 50-51, 2000

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53. C. Conti, **P. Mastromarino**, P. Goldoni, G. Portalone, N. Desideri. Synthesis and anti-rhinovirus properties of fluoro-substituted flavonoids. *Antiviral Chemistry and Chemotherapy*, **16**, 267-276, (2005).
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58. Conti C., Malacrino C., **Mastromarino P.** Inhibition of herpes simplex virus type 2 by vaginal lactobacilli. *Journal of Physiology and Pharmacology*, **60** suppl.6, 19-26, 2009.
59. **Mastromarino P.**, Macchia S, Meggiorini L, Trinchieri V, Mosca L, Perluigi M, Midulla, C. Effectiveness of *Lactobacillus* vaginal tablets in the treatment of symptomatic bacterial vaginosis. *Clinical Microbiology and Infection*, **15**, 67-74, 2009.
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64. Hemalatha R, **Mastromarino P.**, Ramalaxmi BA, Balakrishna NV, Sesikeran B. Effectiveness of vaginal tablets containing lactobacilli versus pH tablets on vaginal health and inflammatory cytokines: a randomized, double-blind study. *Eur J Clin Microbiol Infect Dis*. 2012 Nov;31(11):3097-105.
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74. **Mastromarino P**, Di Pietro M, Schiavoni G, Nardis C, Gentile M, Sessa R. Effects of vaginal lactobacilli in *Chlamydia trachomatis* infection. *Int J Med Microbiol.* 2014 Jul;304(5-6):654-61.
75. **Mastromarino P**, Capobianco D, Campagna G, Laforgia N, Drimaco P, Dileone A, Baldassarre ME. Correlation between lactoferrin and beneficial microbiota in breast milk and infant's feces. *Biomaterials.* 2014 Oct;27(5):1077-86. doi: 10.1007
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79. **Mastromarino P**, Capobianco D, Miccheli A, Praticò G, Campagna G, Laforgia N, Capursi T, Baldassarre ME. Administration of a multistrain probiotic product (VSL#3) to women in the perinatal period differentially affects breast milk beneficial microbiota in relation to mode of delivery. *Pharmacol Res*. 2015 May-Jun;95-96:63-70. doi: 10.1016/j.phrs.2015.03.013.
80. **Mastromarino P**, Capobianco D, Cannata F, Nardis C, Mattia E, De Leo A, Restignoli R, Francioso A, Mosca L. Resveratrol inhibits rhinovirus replication and expression of inflammatory mediators in nasal epithelia. *Antiviral Res*. 2015 Nov;123:15-21.
81. Tursi A, **Mastromarino P**, Capobianco D, Elisei W, Miccheli A, Capuani G, Tomassini A, Campagna G, Picchio M, Giorgetti G, Fabiocchi F, Brandimarte G. Assessment of Fecal Microbiota and Fecal Metabolome in Symptomatic Uncomplicated Diverticular Disease of the Colon. *J Clin Gastroenterol*. 2016 Oct;50 Suppl 1:S9-S12.
82. Antonio Tursi, Walter Elisei, Marcello Picchio, GianMarco Giorgetti, **Paola Mastromarino**, Daniela Capobianco, Alfredo Miccheli, Michela Di Fonzo, Giovanni Brandimarte. Analysis of Microbiota and Metaboloma in Symptomatic Uncomplicated Diverticular Disease of the Colon. *Gastroenterology* 04/2015; 148(4):S-481-S-482. DOI:10.1016/S0016-5085(15)31619-X
83. Baldassarre ME, Di Mauro A, **Mastromarino P**, Fanelli M, Martinelli D, Urbano F, Capobianco D, Laforgia N. Administration of a Multi-Strain Probiotic Product to Women in the Perinatal Period Differentially Affects the Breast Milk Cytokine Profile and May Have Beneficial Effects on Neonatal Gastrointestinal Functional Symptoms. A Randomized Clinical Trial. *Nutrients*. 2016 Oct 27;8(11). pii: E677.
84. Francioso A, Cossi R, Fanelli S, **Mastromarino P**, Mosca L. Studies on Trans-Resveratrol/Carboxymethylated (1,3/1,6)- β -d-Glucan Association for Aerosol Pharmaceutical Applications. *Int J Mol Sci*. 2017 May 3;18(5). pii: E967. doi: 10.3390/ijms18050967.
85. Tursi A, **Mastromarino P**, Capobianco D, Elisei W, Miccheli A, Praticò G, Picchio M, Brandimarte G. Urinary metabolic profiling and symptomatic uncomplicated diverticular disease of the colon. *Clin Res Hepatol Gastroenterol*. 2017 Jun;41(3):344-346.
86. Sessa R, Di Pietro M, Filardo S, Bressan A, **Mastromarino P**, Biasucci AV, Rosa L, Cutone A, Berlutti F, Paesano R, Valenti P. Lactobacilli-lactoferrin interplay in *Chlamydia trachomatis* infection. *Pathog Dis*. 2017 Jul 31;75(5). doi: 10.1093/femspd/ftx054.

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Elenco Pubblicazioni Scientifiche su Riviste Nazionali

(Indexate in Scopus, Web of Science o PubMed)

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2. L. Seganti, **P. Mastromarino**, F. Superti, E. Grippa, N. Orsi. Studio delle strutture recettoriali di cellule BHK21 coinvolte nella interazione con il virus della stomatite vescicolare. *Annali Istituto Superiore di Sanita'* **18/3**, 385-388, 1982.

3. N. Orsi, **P. Mastromarino**, L. Seganti. Attuali conoscenze sulle interazioni precoci tra rhabdovirus e cellule. *Nuovi Annali di Igiene e Microbiologia* **33**, 759-771, 1982.

Elenco Pubblicazioni Scientifiche su Riviste Internazionali o Nazionali

(Non indexate)

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