

## Europass Curriculum Vitae

### Personal information



First name(s) /  
Surname(s)

**Aurelia Gaeta**

Address(es)

Microbiology and Virology Department – Sapienza University / Policlinico Umberto I Hospital  
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Nationality

italian

Date of birth

5th June 1956

Registration at the General Medical Council of Rome n. 34430

### Occupational field

Microbiology and Clinical Microbiology

### Work experience

I essentially carried out research activity on Herpesvirus infections in immunocompromised patients, using conventional and molecular methods.

My studies were addressed to:

Cytomegalovirus infection in the monitoring of immunocompromised patients and in mother-foetus transmitted infections  
Epstein-Barr virus role in the onset of lymphoproliferative disorders

HHV6 infections in patients with Crohn disease

Molecular diagnosis of Herpesvirus in patients with acute and persistent Central Nervous System disorders HHV8  
transmission by vector insect.

From 1988 up to now I have taken part in several Research Projects of the Sapienza University and from 1990 to 1995 I contributed to a finalized project of the National Research Centre (CNR): Prevention and control of disease factors (FATMA)

### 2001 at present

Occupation or  
position held

**Confirmed Researcher SSD MED07**

Main activities and  
responsibilities

Molecular diagnostics aspects of Herpesvirus infection. Herpesvirus monitoring in organ transplant recipients and in other immunosuppressive conditions. Molecular Epstein Barr virus diagnosis in Post-transplant lymphoproliferative disorders. Diagnostic approach in Cytomegalovirus congenital infection. Herpesvirus detection in acute and chronic neurological diseases. Genomic variability in drug resistant Cytomegalovirus strains

Name and address  
of employer

**Department of Public Health and Infectious Diseases, Sapienza University  
P.le Aldo Moro, 5 – 00185 Rome, Italy**

Sector

Microbiology and Clinical Microbiology

<b>1987 at present</b>										
Occupation or position held	<b>Medical Assistant</b>									
Main activities and responsibilities	Department of Diagnostic Medicine, Policlinico Umberto I Hospital in Rome.									
Name and address of employer	Serological diagnosis of hepatitis. Serological diagnosis of Herpesvirus: detection IgM and IgG by ELISA, and automatic EIA systems. Immunoblotting. Detection of Herpesvirus genomes by molecular methods: HCMV pp65 antigen, nested PCR, real time PCR. Identification of drug resistant HCMV genotype. Bacteriological diagnosis, antimicrobial sensitivity tests									
Sector	Department of Diagnostic Medicine Policlinico Umberto I Hospital Clinical Microbiology / Virology									
<b>1985 - 2001</b>										
Occupation or position held	<b>Graduated Technical Officer</b>									
Main activities and responsibilities	Study on monocytes cytotoxic activity. Study on tumour necrosis factor in adult patients affected by distress respiratory syndrome. Serological diagnosis of Herpesvirus: detection IgM and IgG by ELISA. Cell culture for viral detection. Detection of Herpesvirus genomes by molecular methods: HCMV pp65 antigen, nested PCR.									
Name and address of employer	I Clinic Microbiology Chair Sapienza University of Roma									
Sector	Microbiology and Clinical Microbiology									
<b>Education and training</b>										
1997	Specialization Diploma in Microbiology and Virology, Sapienza University of Rome (70/70 cum laude)									
1988	Specialization Diploma in Laboratory Clinical Analysis, Sapienza University of Rome (70/70 cum laude)									
1985	Fellowship Grant, Pasteur Institute - Cenci Bolognetti Foundation on monocyte cytotoxic activity at Scripps Clinic and Research Foundation, La Jolla San Diego, California USA									
1983	Degree in Medicine and Surgery (110/110 cum laude), and qualification as Medical Doctor									
<b>Personal skills and competences</b>	I essentially carried out research activity on Herpesvirus infections in immunocompromised patients, using conventional and molecular methods. My studies were addressed to: Cytomegalovirus infection in the monitoring of immunocompromised patients and in mother-foetus transmitted infections Epstein-Barr virus role in the onset of lymphoproliferative disorders HHV6 infections in patients with Crohn disease and its implication in Bell's palsy Molecular diagnosis of Herpesvirus in patients with acute and persistent Central Nervous System disorders HHV8 transmission by vector insect From 1988 up to now I have taken part in several Research Projects of the Sapienza University and from 1990 to 1995 I contributed to a finalized project of the National Research Centre (CNR): Prevention and control of disease factors (FATMA).									
Mother tongue(s)	<b>Italian</b>									
Other language(s)										
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	C1	Proficient user

## Teaching Experiences

2011-2017 Microbiology at Neurofisiopathology Technique Course, Sapienza University of Rome, Umberto I Hospital  
2013-2017 Microbiology and Clinical Microbiology at Health Care Course, Sapienza University of Rome, Umberto I Hospital  
2003 – 2017 Microbiology and Clinical Microbiology at Course in Prevention Techniques in the Environment and the Place of Job, Sapienza University of Rome, Umberto I Hospital  
2001 – 2017 Laboratory Medicine, Medicine and Surgery School “C”, Sapienza University of Rome  
2008-2011 Microbiology and Clinical Microbiology at Nursing Science Course, Sapienza University of Rome, IRCCS San Raffaele  
2007-2011 Microbiology and Clinical Microbiology at Laboratory Techniques Course, Sapienza University of Rome, IRCCS San Raffaele  
2003 – 2013 Microbiology and Clinical Microbiology at Course in Prevention Techniques in the Environment and the Place of Job, Sapienza University of Rome, ASL Frosinone  
2001 – 2011 Virological diagnostic analysis - Microbiology and Virology Diploma of Specialization, Sapienza University of Rome  
2009 – 2010 Infective Diseases at Laboratory Techniques Course, Sapienza University of Rome, IRCCS San Raffaele  
2007-2011 Microbiology and Clinical Microbiology at Laboratory Techniques Course – Sapienza University of Rome, ASL Viterbo

## Membership

Italian Association of Clinical Microbiology (AMCLI)  
Italian Society of Medical Virology (SIVIM)  
Italian Society of Virology (SIV)  
SIV-AMCLI Transplant Surveillance Group

## Scientific Publications

- 1 Pretagostini R, Poli L, Lai Q, Russo G, Nudo F, Garofalo M, Melandro F, Gaeta A, Nazzari C, Fazio C, Di Simone E, Vullo V, Berloco PB. *Pre-Emptive Therapy for the Treatment of Cytomegalovirus After Kidney Transplantation*. *Transplant Proc.* 2017 May;49(4):638-641 (I.F.0.48)
- 2 Abbate I, Piralla A, Calvario A, Callegaro A, Giraldo C, Lunghi G, Gennari W, Sodano G, Ravanini P, Conaldi PG, Vatteroni M, Gaeta A, Paba P, Cavallo R, Baldanti F, Lazzarotto T; AMCLI – Infections in Transplant Working Group GLaIT. *Nation-wide measure of variability in HCMV, EBV and BKV DNA quantification among centers involved in monitoring transplanted patients*. *J Clin Virol.* 2016 Sep;82:76-83 (I.F. 2.647)
- 3 Turriziani O., Fazio C., Mazzuti L., Gaeta A., Gentile G., Antonelli G. *CMV load quantification by the automated Versant kPCR molecular system in plasma of transplanted patients* *J. Clin. Virol.* 2015; 70 (suppl. 1): 109 – 110 (I.F. 2.647)
- 4 Natale F, Bizzarri B, Cardi V, Gaeta A, Villani P, Liuzzi G, De Curtis M. *Ganciclovir penetrates into the cerebrospinal fluid of an infant with congenital cytomegalovirus infection*. *Ital J Pediatr.* 2015 Mar 31;41:26 (I.F. 1.614)
- 5 Falasca F, Maida P, Gaeta A, Verzaro S, Mezzaroma I, Fantauzzi A, Donato G, Bonci E, Castilletti C, Antonelli G, Turriziani O. *Detection and quantification of EBV, HHV-6 and CMV DNA in the gastrointestinal tract of HIV-positive patients*. *Infection.* 2014; 42(6):1033-7 (I.F. 2.618)
- 6 Turriziani O, Falasca F, Maida P, Gaeta A, De Vito C, Mancini P, De Seta D, Covelli E, Attanasio G, Antonelli G. *Early collection of saliva specimens from Bell's palsy patients: quantitative analysis of HHV-6, HSV-1, and VZV*. *J Med Virol.* 2014 Oct; 86(10):1752-8 (I.F. 2.347)
- 7 D. Iorfida, A. Gaeta, S. Leoni, C.M. Trovato, S. Gatti, S. Cucchiara, M. Barbato *Role of cytomegalovirus in immunocompetent children with severe gastroesophageal reflux* *Digestive and Liver Disease*, Volume 45, Supplement 4, 30 September 2013, Page e270 (I.F. 2.719)
- 8 Gaeta A, Verzaro S, Cristina LM, Mancini C, Nazzari C *Diagnosis of neurological herpesvirus infections: real time PCR in cerebral spinal fluid analysis*. *New Microbiol.* 2009 Oct; 32(4): 333-40. (I.F. 1.34)
- 9 Lilleri D and ET AL and SIV-AMCLI Transplant Surveillance Group( Gaeta A) *Multicenter quality control study for human cytomegalovirus DNAemia quantification*. *New Microbiol.* 2009; 32:245-253 (I.F. 1.34)
- 10 Gaeta A, Nazzari C, Verzaro S, Latte MC, Fabri G, Scateni S, Raggi C, Lubrano R, Mancini C. *Early evidence of lymphoproliferative disorder: post-transplant monitoring of Epstein-Barr infection in adult and pediatric patients*. *New Microbiol.* 2006 Oct; 29(4): 231-41. (I.F. 1.05)

- 11 Gaeta A, Nazzari C, Verzaro S, Latte MC, Fabri G, Mancini C. *Application of real time PCR in post- transplant monitoring of cytomegalovirus infection: comparison with other diagnostic approaches.* New Microbiol. 2006 Jul; 29(3): 185-92. (I.F. 1.05)
- 12 Nazzari C, Gaeta A, Lazzarini M, Castelli TD, Mancini C. *Multiplex polymerase chain reaction for the evaluation of cytomegalovirus DNA load in organ transplant recipients.* J Med Virol. 2000 Jun; 61(2): 251-8. (I.F. 3.07)
- 13 Gaeta A, Nazzari C, Angeletti S, Lazzarini M, Mazzei E, Mancini C. *Monitoring for cytomegalovirus infection in organ transplant recipients: analysis of pp65 antigen, DNA and late mRNA in peripheral blood leukocytes.* J Med Virol. 1997 Nov; 53(3): 189-95. (I.F. 3.188)
- 14 Mattia E, Chichiarelli S, Hickish T, Gaeta A, Mancini C, Cunningham D, van Renswoude J. *Inhibition of in vitro proliferation of Epstein Barr Virus infected B cells by an antisense oligodeoxynucleotide targeted against EBV latent membrane protein LMP1.* Oncogene. 1997 Jul 24; 15(4): 489-93. (I.F. 6.772)
- 15 Raponi G., Lun M.T., Gaeta A., Ghezzi M.C., Nazzari C., Mancini C., Filadoro F., Bartolazzi A., Natali P. *Differential effect of human and murine polyclonal and monoclonal antisera on TNF alpha production by human monocytes.* J. Chemother. 1993; 5: 317-324 (I.F. 0.770)
- 16 Nazzari C., Gaeta A., Lun M.T., Raponi G., Antonelli M., Mancini C., Filadoro F. *Effect of intravenous immunoglobulin on opsonic activity and TNF production in patients at high risk for sepsis syndrome.* Microbiologica 1993; 16: 251-258 (I.F. 0.429)
- 17 Raponi G., Lun M.T., Lorino G., Nazzari C., Gaeta A., Mancini C., Filadoro F. *Reactivity and protective capacity of a polyclonal antiserum derived from mice immunized with antibiotic exposed E. coli.* J. Antimicrob. Chemother. 1993; 31: 117-128. (I.F. 3.296)
- 18 Raponi G., Antonelli M., Gaeta A., Bufi M., De Blasi R.A., Conti G., D'errico R.R., Mancini C., Filadoro F. and Gasparetto A. *Tumor Necrosis Factor in serum and in bronchoalveolar lavage of patients at risk for the adult respiratory distress syndrome.* J. Critical Care 1992; 7, 3:183-188 (I.F. 0.818)
- 19 Raponi G., Nazzari C., Lun M.T., Lorino G., Valentini T., Bronzini M., Gaeta A., Mancini C., Filadoro F. *Immunization of mice with antibiotic treated E.coli.* J. Chemoter. 1991; 3, 1:136-140 (I.F. 0.770)
- 20 Lun M.T., Nazzari C., Raponi G., Gaeta A., Cochi S., Di Tommaso G., Mancini C. *Effect of Cyclosporin A on B cell maturative cycle and correlation with TNF.* J. Chemoter. 1991; 3: 441-442 (I.F. 0.770)
- 21 Gaeta A., Mancini C., Bachetoni A., Sallusto F., Lorino G., Marinucci G., Di Giacomo C., Favalli C., Alfani D., Filadoro F. *Alpha interferon plus thymopentine in treatment of patients undergoing liver transplant.* J. Biological Regulators and Homeostatic Agents 1990; 4, 2: 51-56 (I.F. 1.184)
- 22 Mancini C., Gaeta A., Lorino G., Filadoro F., Marinucci G., Bachetoni A., Pretagostini R., Molajoni Renna E., Alfani D., Cortesini R. *Alpha interferon therapy in patients with hepatitis infection undergoing organ transplantation.* Transplant Proc. 1989; 21,1 (I.F. 0.590)
- 23 Lun M.T., Lorino G., Gaeta A., Dessì P., Cipriani P., Filadoro P., Capobianchi M.R., Di Marco P., Mancini C. *In vitro Interferon production: induction in human leukocytes after exposure to Cytomegalovirus antigens.* Microbiologica 1986; 9: 399-404 (I.F. 0.429)
- 24 Lun M.T., Gaeta A., Brenciaglia M.I., Cipriani P., Mancini C., Pretagostini R., Alfani D., Bigotti G., Cochi S., Mannella E *Monocyte phagocytic activity in cyclosporin treated patients .*Microbiologica 1985; 8: 277-282 (I.F. 0.429)
- 25 Gaeta A., Cipriani P., Brenciaglia M.I., Rivanera D., Mancini C., Alfani D., Pretagostini R., Molajoni E., Cortesini R. *Effect of Cyclosporin A on natural killer cells response during viral infection.* Microbiologica 1985; 8: 225-232 (I.F. 0.429)