

**CURRICULUM VITAE**

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Data di nascita: Torino il 20/02/1974

**ESPERIENZA PROFESSIONALE ATTUALE**

12/2021 - presente:

**Responsabile S.S. Micobatteriologia e Batteriologia  
presso SC Laboratorio di Microbiologia e Virologia  
Ospedale A. di Savoia Torino - ASL Città di Torino.**

10/2009 - presente:

**Dirigente Medico  
presso SC Laboratorio di Microbiologia e Virologia  
Ospedale A. di Savoia Torino - ASL Città di Torino.**

2020 - presente:

**Collaboratrice ECDC** (European Centre for Disease Prevention and Control -  
membro EVD-LabNet).

2015 - presente:

**Membro EVD-LabNet** (European expert laboratory network for emerging viral  
diseases).

07/2006 - 10/2009:

**Dirigente medico  
presso SC Laboratorio Analisi** (Vincitrice pubblico concorso-specialità  
Patologia Clinica)  
**Ospedale San G. Bosco di Torino - ASL Città di Torino.**

**ESPERIENZE PROFESSIONALI COMPLEMENTARI**

11/2005-06/2006:

Esercizio di **Diagnostica Ecografia**, in regime libero professionale, presso **centro R.I.B.A., Laboratorio Medico Convenzionato SS. NN.**

1/2005- 11/2005:

**Prelievi presso Ospedale G. Bosco Torino.**

2002-2004:

Frequenza presso il **Laboratorio di Microbiologia Clinica dell'Ospedale S. G. Battista di Torino** e presso il **Dipartimento di Sanità pubblica e Microbiologia, SCDU Virologia, Università di Torino.**

2000-2002:

Frequenza presso il **Dipartimento di Scienze Cliniche e Biologiche ASL San Luigi di Orbassano.**

**STUDI E FORMAZIONE**

24/11/2004:

**Specializzazione in Microbiologia e Virologia** conseguita presso la Scuola di Specializzazione di Microbiologia e Virologia di Torino con il punteggio di 70/70. Titolo tesi: **“Diagnosi rapida di infezione da MRSA da emocolture”** (relatrice Prof. D. Cirillo).

04/07/2000:

**Iscrizione all'Albo dell'Ordine dei Medici** della Provincia di Torino. (n. 19006)

09/07/1999:

**Laurea in Medicina e Chirurgia** conseguita presso la Facoltà di Medicina e Chirurgia dell'Università degli Studi di Torino con punteggio 103/110 e dignità di stampa. Titolo tesi: **“Valore prognostico della viremia plasmatica dei linfociti CD4+ in un gruppo di pazienti sieroconvertiti per anticorpi anti-HIV”** (Relatore Prof. A. Sinicco).

1992/1993:

**Diploma di maturità classica** conseguito presso il Liceo classico M. D' Azeglio di Torino con valutazione di 52/60.

**FORMAZIONE COMPLEMENTARE**

4/2004-12/2005:

**Corso Teorico-Pratico di Ecografia Diagnostica - Patologia Internistica e Tissutale**, organizzato dall'Associazione Medicina e Tecnologia, Torino.

1999-2000:

**Sostituta presso Ambulatori di Medici di Base**

**PUBBLICAZIONI**

1. **“Quorum sensing” nei batteri: meccanismi di espressione**” Burdino E., Deplano C., Deplano E., Savoia D.- *Giornale di Batteriologia, Virologia e Immunologia*, vol. XCIII, n° 3, anno 2001
2. **“Impiego di tecniche molecolari per la caratterizzazione di ceppi di *Burkholderia cepacia* isolati da pazienti fibrocistici**”. (Alicce T., Bianco S., Burdino E., Deplano C., Savoia D.- Comunicazione al XXX Congresso Nazionale della Societa’ Italiana di Microbiologia, Catania, 6-9 ottobre 2002)
3. **“Utilizzazione delle piastre ORSA per l’identificazione di ceppi MRSA da emocolture positive**”. (Burdino E., Cirillo D., Confitto M.G., Frisicale L., Quaranta M.R., Riccabone A., Marchiaro G. - Comunicazione al XXXII Congresso Nazionale dell’Associazione Microbiologi Clinici Italiani, Firenze, 14-18 ottobre 2003, e pubblicazione in *Microbiologia Medica*, volume 18, n°2, anno 2003)
4. **“Quantificazione del DNA del poliomavirus JC mediante PCR quantitativa-competitiva (QP-PCR) nel siero di trapiantati renali**”. (Bergallo M., Burdino E., Merlino C., Piana F., Sidoti F., Cavallo R.- Comunicazione al XXXII Congresso SIM 2004, Milano, 26-29 settembre 2004)
5. **“Validazione di un protocollo Nested PCR semiquantitativa per la determinazione contemporanea della carica virale del JCV e BKV**”. (Bergallo M., Burdino E., Merlino C., Piana F., Sidoti F., Cavallo R.- Comunicazione al XXXII Congresso Nazionale dell’Associazione Microbiologi Clinici Italiani, Padova, 8-11 giugno 2004 e pubblicazione in *Microbiologia Medica*, volume 19, n°2, anno 2004).
6. **“Diagnosis of dengue fever in North West Italy in travelers from endemic areas: a retrospective study**”. Burdino E., Ghisetti V. et al. *JCV* 2011, Vol 51, Issue 4, pages 259-263, 2011
7. **“Kinetics of HDV-RNA and epatitis B surface antigen in chronic delta hepatitis under pegylated interferon and/or nucleoside analogs therapy**. Olivero A., Fontana R., Niro G.A., Ciancio A., Caviglia G.P., Burdino E., Ippolito A.M., Rosso C., Ghisetti V., Smedile A., Andriulli A. and Rittetto M. *Hepatology*, (54): 1077 A, 2011
8. **“Kinetics and prediction of HBsAg loss during therapy with analogues in patients affected by chronic hepatitis B HBeAg negative and genotype D**”. Bogleione, L., D’Avolio, A., Cariti, G., Gregori, G., Burdino, E., Baietto, L., Cusato, J., et al. (2013) *Liver international: official journal of the International Association for the Study of the Liver*, 33(4), 580–5. 2013
9. **“A(H1N1)pdm09 hemagglutinin D222G and D222N variants are frequently harbored by patients requiring extracorporeal membrane oxygenation and**

- advanced respiratory assistance for severe A(H1N1)pdm09 infection**". Ruggiero T., De Rosa F., Cerutti F. , Pagani N., Alice T., Stella M.L, Milia M.G., Calcagno A., Burdino E., Gregori G., Urbino R., Di Perri G., Ranieri M.G and Ghisetti G. Influenza and Other viruses 2013
10. **"Recent outbreak of aseptic meningitis in Italy due to Echovirus 30 and phylogenetic relationship with other European circulating strains"**. Milia MG, Cerutti F, Gregori G, Burdino E, Alice T, Ruggiero T, Proia M, De Rosa G, Enrico E, Lipani F, Di Perri G, Ghisetti V. J. Clin. Virol. 2013
  11. **"Combination of conventional blood cultures and the SeptiFast molecular test in patients with suspected sepsis for the identification of bloodstream pathogens"** Elisa Burdino, Tina Ruggiero, Tiziano Alice, Maria Grazia Milia, Gabriella Gregori, Rosangela Milano, Francesco Cerutti, Francesco Giuseppe De Rosa, Emilpaolo Manno, Pietro Caramello, Giovanni Di Perri, Valeria Ghisetti. Diagn Microb Infect 2014
  12. **"Quantification of hepatitis B surface antigen with the novel DiaSorin LIAISON XL Murex HBsAg Quant: correlation with the ARCHITECT quantitative assays"**. Elisa Burdino, Tina Ruggiero, Alex Proietti, Maria Grazia Milia, Antonella Olivero, Gian Paolo Caviglia, Milena Marietti, Mario Rizzetto, Antonina Smedile, Valeria Ghisetti J. Clin. Virol. 2014
  13. **World Biomedical Frontiers "Quantification of hepatitis B surface antigen with the novel DiaSorin LIAISON XL Murex HBsAg Quant: correlation with the ARCHITECT quantitative assays"**. Elisa Burdino, Tina Ruggiero, Alex Proietti, Maria Grazia Milia, Antonella Olivero, Gian Paolo Caviglia, Milena Marietti, Mario Rizzetto, Antonina Smedile, Valeria Ghisetti , ISSN: 2328-0166, 2014
  14. **"Influenza and RNA Viruses: Emergence, Classification and Management"**. Chapter in Book Nova Science Publishers, Inc. September 2014
  15. **Progetto ELAS: Sezione monografica sui virus epatitici**, 2014
  16. **"Etiological diagnosis of bloodstream infections through a multiplex real-time polymerase chain reaction test in pediatric patients: a case series from a tertiary Italian hospital"**. Calitri C, Denina M, Scolfaro C, Garazzino S, Licciardi F, Burdino E, Alice T, Carraro F, De Intinis G, Ghisetti V Tovo P-A and the Regina Margherita Children's Hospital Bloodstream Infections Study Group, Infect Dis (Lond). 2015 Feb;47(2):73-9. doi: 10.3109/00365548.2014.967291. Epub 2014 Nov 26. PMID: 25426998
  17. **"Acute HIV Infection: Improved algorithms for HIV testing"**. Valeria Ghisetti, Andrea Calcagno, Elisa Burdino, Giancarlo Orofino, Stefano Bonora Journal of Clinical Virology. 02/2015; 63. DOI: 10.1016/j.jcv.2014.12.007
  18. **"Travelers with Chikungunya virus infection returning to North-West Italy from the Caribbean and Central America, June-November 2014"**. Elisa Burdino, Maria Grazia Milia, Tina Ruggiero, Alex Proietti, Giuseppina Sergi , Ilaria Torta, Guido Calleri, Pietro Caramello, Donatella Tiberti and Valeria Ghisetti. J Travel Med 2015 Sep;22(5):341-4. doi: 10.1111/jtm.12219. Epub 2015 Jun 17

19. **“Predominance of hepatitis C virus Q80K among NS3 baseline-resistance-associated amino acid variants in direct-antiviral-agent-naïve patients with chronic hepatitis: single-centre experience”** Tina Ruggiero · Alex Proietti · Lucio Boglione · Maria Grazia Milia · Tiziano Allice · Elisa Burdino · Stefano Bonora · Giovanni Di Perri · Valeria Ghisetti. Arch Virol. 2015 Aug 7
20. **“La sorveglianza epidemiologica dell’Influenza”** E. Burdino, M.G. Milia, D. Tiberti, L. Ferrara, V. Demicheli, V. Ghisetti. Torino Medica ottobre 2015.
21. **Letter to the Editor: “ Unmet needs for a rapid diagnosis of *Chikungunya* virus infection”** Elisa Burdino, Guido Calleri, Pietro Caramello, Valeria Ghisetti. Emerg. Infect. Dis. Volume 22, number 10-October 2016
22. **“Zika virus infection in two travelers returning from an epidemic area to Italy, 2016: algorithm for diagnosis and recommendations”**. G. Calleri, E. Burdino, S. Bonora, R. Raso, V. Ghisetti, P. Caramello. Travel Medicine and Infectious diseases Travel Medicine and Infectious Disease (2016), doi:10.1016/j.tmaid.2016.07.001.2016
23. **“HCV NS3 naturally occurring variants in HIV/HCV coinfecting DAA-naïve patients: consideration for HCV genotyping resistance testing”**. T. Ruggiero, E. Burdino, A. Calcagno, S. Bonora, L. Boglione, G. Di Perri, V. Ghisetti. Infection, Infection., 2016 Aug 13. DOI 10.1007/s15010-016-0937-4
24. **“Dengue importée dans deux hôpitaux tertiaires en Italie : utilisation des tests de diagnostic rapides”**. G. Calleri, I. Torta, F. Gobbi, A. Angheben, F. Lipani, A. Lucchini, E. Burdino, V. Ghisetti, P. Caramello. Bulletin de la Société de pathologie exotique. February 2017, Volume 110, Issue 1, pp 13–19. DOI 10.1007/s13149-017-0542-x
25. **“Imported dengue in two tertiary Italian hospitals: Use of rapid diagnostic tests”**. Calleri G, Torta I, Gobbi F, Angheben A, Lipani F, Lucchini A, Burdino E, Ghisetti V, Caramello P. Bull Soc Pathol Exot. 2017 Feb;110(1):13-19. doi: 10.1007/s13149-017-0542-x. Epub 2016 Dec 23. French. PMID:28012140
26. **“Lack of Zika virus antibody response in confirmed patients in non-endemic countries.”** Lustig Y, Cotar AI, Ceianu CS, Castilletti C, Zelena H, Burdino E, van Tienen C, Avsic T, Aarons E, Reusken C. J Clin Virol. 2017 Dec 21;99-100:31-34. doi: 10.1016/j.jcv.2017.12.007.
27. **“Laboratory findings in Zika infection: the experience of a reference centre in Italy North-West Italy”**. Elisa Burdino, Maria Grazia Milia, Tiziano Allice, Gabriella Gregori, Tina Ruggiero, Guido Calleri, Filippo Lipani, Anna Lucchini, Giulietta Venturi, Giovanni Di Perri, Valeria Ghisetti. Journal of Clinical Virology 101 (2018) 18–22. PII: S1386-6532(18)30010-6 DOI: <https://doi.org/10.1016/j.jcv.2018.01.010>
28. **“Extended duration of treatment with peginterferon alfa-2a in patients with chronic hepatitis B, HBeAg-negative and E genotype: a retrospective analysis: extended treatment with PEG-IFN”**. Lucio Boglione, Giuseppe Cariti, Valeria

- Ghissetti, Elisa Burdino, Giovanni Di Perri. Journal of Medical Virology January 2018. DOI: 10.1002/jmv.25038
29. **“Antiviral treatment with pegylated interferon and clinical outcomes in a cohort of immigrants patients affected by hepatitis delta: A retrospective analysis”**. Lucio Boggione, Giuseppe Cariti, Valeria Ghissetti, Milia Mariagrazia, Elisa Burdino, Giovanni Di Perri. Journal of Medical Virology Febbraio 2019. J Med Virol. 2019 Feb 22. doi: 10.1002/jmv.25438
  30. **“Cerebrospinal fluid biomarkers in patients with central nervous system infections: a retrospective study”**. Di Stefano A, Alcantarini C, Atzori C, Lipani F, Imperiale D, Burdino E, Audagnotto S, Mighetto L, Milia MG, Di Perri G, Calcagno A. CNS Spectr. 2019 May 27:1-7. doi: 10.1017/S1092852919000981.
  31. **“Added value of loop-mediated iso-thermal amplification (LAMP) in real life for the diagnosis of malaria in travelers”**. Burdino E, Calleri G. and Ghissetti V. 2019 Journal of Travel Medicine July 2019, DOI: 10.1093/jtm/taz052
  32. Rapid communication **“Laboratory readiness and response for novel coronavirus (2019-nCoV) in expert laboratories in 30 EU/EEA countries, January 2020”**. Chantal B.E.M. Reusken, Eeva K. Broberg, Bart Haagmans, Adam Meijer, Victor M. Corman, Anna Papa, Remi Charrel, Christian Drosten, Marion Koopmans, Katrin Leitmeyer, on behalf of **EVD-LabNet** and ERLI-Net. Euro Surveill. 2020;25(6):pii=2000082. <https://doi.org/10.2807/1560-7917.ES.2020.25.6.2000082> (Amedeo di Savoia Hospital, Torino as participating member of EVD-LabNet)
  33. **“Specialist laboratory networks as preparedness and response tool - the Emerging Viral Diseases-Expert Laboratory Network and the Chikungunya outbreak, Thailand, 2019”**. Giulietta Venturi, Stephan W Aberle, Tatjana Avšič-Županc, Luisa Barzon, Christoph Batejat, Elisa Burdino, Fabrizio Carletti, Rémi Charrel, Iva Christova, Jeff Connell, Victor Max Corman, Mary Emmanouil, Anne J Jääskeläinen, Ivan Kurolt, Yaniv Lustig, Miguel J Martinez, Marion Koopmans, Orsolya Nagy, Trung Nguyen, Anna Papa, Mercedes Pérez-Ruiz, Martin Pfeffer, Jelena Protic, Johan Reimerink, Giada Rossini, María Paz Sánchez-Seco Fariñas, Jonas Schmidt-Chanasit, Sandra Söderholm, Bertrand Sudre, Marjan Van Esbroeck, CHIKV-Working Group, Chantal B Reusken. Eurosurveillance, Volume 25, Issue 13, 02/Apr/2020. DOI: 10.2807/1560-7917.ES.2020.25.13.1900438
  34. **“BioFire® FilmArray® Pneumonia plus Panel Performance Evaluation: A Multicenter, International Collaborative Study. European Journal of Clinical Microbiology and Infectious Disease. Participant on the wonderful BioFire® FilmArray® Pneumonia Panel evaluation data: “EME (for Europe Middle East) Evaluation Program Collaborative”**. 2020. (Amedeo di Savoia Hospital, Torino as participating member)
  35. **“Multinational evaluation of the BioFire® FilmArray® Pneumonia plus Panel as compared to standard of care testing”** Christine C Ginocchio, Carolina Garcia-Mondragon, Barbara Mauerhofer, Cory Rindlisbacher, and the EME Evaluation

- Program Collaborative (Collaborators and EME Evaluation Program Collaborative: L Forcelledo, J Fernández, R Lienhard, H Kerschner, G M Rossolini, L Armand-Lefèvre, C d'Humières, E Cambau, H Benmansour, R Cavallo, M Altwegg, L Berlinger, R Bonnet, P Saint-Sardos, C Meex, J P Lavigne, N Leveque, L Broutin, V Cattoir, G Auger, H Pereira, Y Paitan, A Verroken, H Pailhoriès, C Lemarié, G Martinetti-Lucchini, S Frigerio Malossa, M Sanguinetti, T Spanu, F Vandenesch, C Poyart, J Loubinoux, J P Mira, S Bonacorsi, A Cointe, P Muñoz, M Kestler, C Esteva, X Queralt, J García-Rodríguez, M D Gómez, J L López-Hontangas, V Ghisetti, **E Burdino**, S Schubert, A Mencacci, F Allegrucci, W Rozemeijer, N Paternotte, A Allard, M C Re, S Ambretti, M Skov, C N Agergaard, P Subudhi, T A Wichelhaus, A Egli, V Hinic, A Alcock, K Banavathi, C Tiberio, G Ruocco, L Atripaldi. *Eur J Clin Microbiol Infect Dis* 2021 Mar 2;1-14. doi: 10.1007/s10096-021-04195-5.
- 36. “Risk of SARS-CoV-2 Infection in Healthcare Workers, Turin, Italy”.** Andrea Calcagno, Valeria Ghisetti, Teresa Emanuele, Mattia Trunfio, Silvia Faraoni, Lucio Boglione, Elisa Burdino, Sabrina Audagnotto, Filippo Lipani, Marco Nigra, Antonio D’Avolio, Stefano Bonora and Giovanni Di Perri. *Emerging Journal Diseases* 2020, Volume 27, Number 1-January 2021 <https://doi.org/10.3201/eid2701.203027>
- 37. “Co-infection with other respiratory pathogens in COVID-19 patients”** Calcagno A, Ghisetti V, Burdino E, Trunfio M, Allice T, Boglione L, Bonora S, Di Perri G, Co-infection with other respiratory pathogens in COVID-19 patients *Clinical Microbiology and Infection*, 2020. <https://doi.org/10.1016/j.cmi.2020.08.012>.
- 38. “WHO External Quality Assessment Programme of SARS-CoV-2 by RT-PCR (2020) WHO SARS-CoV-2-EQAP-01-2020-09-15”** Date of issue: 15 September 2020 Microbiology Division, Public Health Laboratory Services Branch, Centre for Health Protection, Department of Health Page [World Health Organization External Quality Assessment Programme for the Detection of SARS-CoV-2 by RT-PCR 2020 Summary Report Date of issue: 15th September 2020 Address: WHO SARS-CoV-2 EQAP Team Microbiology Division Public Health Laboratory Services Branch Centre for Health Protection] (Amedeo di Savoia Hospital, Torino as participating member)
- 39. “Toscana, West Nile, Usutu and tick-borne encephalitis viruses: external quality assessment for molecular detection of emerging neurotropic viruses in Europe, 2017”.** *Euro Surveill.* 2019;24(50):pii=1900051. <https://doi.org/10.2807/1560-7917.ES.2019.24.50.1900051>. Reusken Chantal, Baronti Cecile, Mögling Ramona, Papa Anna, Leitmeyer Katrin, Charrel Remi N. (Amedeo di Savoia Hospital, Torino as participating member of EVD-LabNet).
- 40. “Urgent need of rapid tests for SARS CoV-2 antigen detection: evaluation of the SD-Biosensor antigen test for SARS-CoV-2”.** Francesco Cerutti; Elisa Burdino; Maria Grazia Milia; Tiziano Allice; Gabriella Gregori; Bianca Bruzzone; Valeria Ghisetti. *Journal of Clinical Virology* 2020.
- 41. ECDC: TECHNICAL REPORT Options for the use of rapid antigen tests for COVID-19 in the EU/EEA and the UK 19 November 2020.** (Amedeo di Savoia Hospital, Torino cited as member). <https://www.ecdc.europa.eu/sites/default/files/documents/Options-use-of-rapid-antigen-tests-for-COVID-19.pdf>.

42. **“Diagnostic SARS-CoV-2 Cycle Threshold Value Predicts Disease Severity, Survival, and Six-Month Sequelae in COVID-19 Symptomatic Patients”**. Mattia Trunfio , Francesco Venuti, Francesca Alladio, Bianca Maria Longo, Elisa Burdino, Francesco Cerutti, Valeria Ghisetti, Roberto Bertucci, Carlo Picco, Stefano Bonora, Giovanni Di Perri and Andrea Calcagno. *Viruses* 2021, 13,281. <https://doi.org/10.3390/v13020281>
43. **“International external quality assessment for SARS-CoV-2 molecular detection and survey on clinical laboratory preparedness during the COVID-19 pandemic, April/May 2020”**. Matheussen Veerle , Corman Victor M , Donoso Mantke Oliver , McCulloch Elaine , Lammens Christine , Goossens Herman , Niemeyer Daniela , Wallace Paul S , Klapper Paul , Niesters Hubert GM , Drosten Christian , Ieven Margareta , on behalf of the RECOVER project and collaborating networks. *EuroSurveill.* 2020;25(27):pii=2001223. <https://doi.org/10.2807/1560-7917.ES.2020.25.27.2001223>. (Amedeo di Savoia Hospital, Torino as participating member of EVD-LabNet).
44. **“Clinical Phenotype and Contagiousness of Early Breakthrough SARS-CoV-2 Infections after BNT162b2 COVID-19 mRNA Vaccine: A Parallel Cohort Study in Healthcare Workers”**. Trunfio, M. Verga, F. Ghisetti, V. Burdino, E. Emanuele, T. Bonora, S. Di Perri, G. Calcagno, A. *Vaccines* 2021, 9, 1377. <https://doi.org/10.3390/vaccines9121377>
45. **“Sars-Cov-2 microfluidic antigen point-of-care testing in Emergency Room patients during covid-19 pandemic”**. Elisa Burdino, Francesco Cerutti, Francesco Panero, Tiziano Allice, Gabriella Gregori, Maria Grazia Milia, Giulia Cavalot, Andrea Altavilla, Franco Aprà, Valeria Ghisetti. *Journal of Virological Methods* 299 (2022) 114337 (2021). doi: <https://doi.org/10.1016/j.jviromet.2021.114337>
46. **“Fast and reliable real life data on COVID-19 triaging with ID NOW”**. Elisa Burdino, Francesco Cerutti, Maria Grazia Milia, Tiziano Allice, Gabriella Gregori, Franco Aprà, Fabio De Iaco, Enzo Aluffi, Gianmatteo Micca, and Valeria Ghisetti. *Journal of Clinical Virology Plus* (2022),doi: <https://doi.org/10.1016/j.jcvp.2022.100065>
47. **“Determinants of SARS-CoV-2 Contagiousness in Household Contacts of Symptomatic adult Index Cases”** Mattia Trunfio; Lorenzo Richiardi; Francesca Alladio; Elena Staffilano; Bianca Longo; Francesco Venuti; Valeria Ghisetti; Elisa Burdino; Stefano Bonora; Paolo Vineis; Giovanni Di Perri; Andrea Calcagno. *Frontiers in Microbiology* 2022. doi: 10.3389/fmicb.2022.829393
48. **“Phylogeography and genomic epidemiology of SARS-CoV-2 in Italy and Europe with newly characterized Italian genomes between February-June 2020”** Alessia Lai, Annalisa Bergna, Stefano Toppo, Marina Morganti, Stefano Menzo, Valeria Ghisetti, Bianca Bruzzone, Mauro Codeluppi, Vito Fiore, Emmanuele Venanzi Rullo, Guido Antonelli, Loredana Sarmati, Gaetano Brindicci, Annapaola Callegaro, Caterina Sagnelli, Daniela Francisci, Ilaria Vicenti, Arianna Miola, Giovanni Tonon, Daniela Cirillo, Ilaria Menozzi, Sara Caucci, Francesco Cerutti, Andrea Orsi, Roberta Schiavo,



Sergio Babudieri, Giuseppe Nunnari, Claudio M. Mastroianni, Massimo Andreoni, Laura Monno, Davide Guarneri, Nicola Coppola, Andrea Crisanti, Massimo Galli, Gianguglielmo Zehender & SCIRE-SARS-CoV-2 Italian Research Enterprise-Collaborative Group (**Elisa Burdino**). *Scientific Reports* 12(1):5736, April 2022  
DOI: 10.1038/s41598-022-09738-0

49. **“The Influence of Sex, Gender, and Age on COVID-19 Data in the Piedmont Region (Northwest Italy): The Virus Prefers Men”**. Silvia De Francia, Alessandro Ferretti, Francesco Chiara, Sarah Allegra, Daniele Mancardi, Tiziano Giacomo Allice, Maria Grazia Milia, Gabriella Gregori, Elisa Burdino, Claudio Avanzini, Valeria Ghisetti and Alessandra Durio. *Life* 2022, 12, 643. <https://doi.org/10.3390/life12050643>

#### COMUNICAZIONI A CONGRESSI INTERNAZIONALI

1. **“Diagnosis of dengue-virus in northwest-Italy in travellers from endemic areas”**. Burdino E., Allice T., Milia MG., Gregori G., Sergi G., Calleri G. and Ghisetti V. **ESCV Conference**, Winter Meeting Institute of Child Health, London, 13-15 January 2011
2. **“Kinetics of HDV-RNA and Hepatitis B surface Antigen in Chronic delta hepatitis under Pegylated Interferon and/or Nucleoside Analogs therapy”** AASLD Annual Meeting, San Francisco, 4-8 November 2011.
3. Poster **“Polimorfism analysis of A/H1N1/09 hemoagglutinin gene correlation of severe outcome”**. ESCV Conference, 2011, 21-24 settembre 2011 Funchal Madeira
4. Poster **“Evaluation of the SeptiFast real-time PCR for rapid identification of blood pathogens in patients with suspected sepsis: an experience in a northwestern Italy hospital”**. ECCMID Conference, London, 31 Marzo - 4 Aprile 2012
5. Poster **“Prediction of HIV-1 coreceptor tropism in different biological compartments: plasma, cerebrospinal fluid and whole-blood”**. Allice T, Milia MG., Gregori G., Burdino E., Ruggiero T., P. Tremante, P. Resente, Calcagno A., Bonora S. and Ghisetti V. **15<sup>th</sup> Annual Meeting of the European Society for Clinical Virology**, Madrid 2012
6. Poster **“Ultrasensitive modification of the CAP/CTM V2.0 HIV-1 Roche Assay for the quantification of minimal residual viraemia in patients on HAART”**. Milia MG, Proietti A., Allice T, Gregori G., Burdino E., Ruggiero T., Simoncelli B., Calcagno A., Bonora S. and Ghisetti V. **15<sup>th</sup> Annual Meeting of the European Society for Clinical Virology**, Madrid 2012
7. Poster **“HCV/NS3 proteasis inhibitors: naturally occurring NS3 genetic variability and drug-resistance in naïve patients”**. Milia MG, Proietti A., Allice T, Gregori G., Burdino E., Ruggiero T., Simoncelli B., Boglione L., Di Perri G. and Ghisetti V. **15<sup>th</sup> Annual Meeting of the European Society for Clinical Virology**, Madrid 2012

8. Poster **“Lymphogranuloma venereum: an emerging problem in HIV positive patients”**. Gabriella Gregori , Ivan Dal Conte , Elisa Burdino, Maria Grazia Milia , Tiziano Allice , Tina Ruggiero , Anna Lucchini , Gianni Di Perri , Valeria Ghisetti **ECCMID Conference**, Barcellona 2014
9. Poster **“Evaluation of the new assay LIAISON XL Murex HBsAg Quant for the quantification of Hepatitis B surface Antigen in patients with chronic hepatitis B”**. Valeria Ghisetti , Elisa Burdino , Tina Ruggiero , Antonella Olivero , Gian Paolo Caviglia , Milena Marietti , Antonina Smedile, **ECCMID Conference**, Barcellona 2014
10. Poster **“Evaluation of the 4<sup>th</sup> generation immunoassay LIAISON XL Murex HIV Ab/Ag: contribution of the discrimination of HIV-p24 signal from HIV-antibody to the diagnosis of acute HIV infection in HIV-screening testing”**. Allice T, Milia MG., Gregori G., Burdino E., Ruggiero T., Orofino G., Calcagno A., Bonora S. and Ghisetti V **20<sup>th</sup> International AIDS Conference**, Melbourne, Australia, 20-25 July 2014.
11. Poster **“Four-year surveillance of imported Dengue virus infection in Italy North-West”**. Burdino E., Allice T., Milia M.G., Gregori G., Ruggiero T., Proietti A., Malta M., Torta I., Calleri G., Caramello P., and Ghisetti V. **26<sup>th</sup> ECCMID Conference**, Amsterdam, 9-12 April 2016.
12. Poster **“Appropriate diagnosis of Zika virus infection: Italy North-West experience”**. E. Burdino, T. Allice, MG. Milia, G. Gregori, T. Ruggiero, E. Scuccimarra, G. Sergi, G. Calleri, F. Lipani, A. Lucchini, G. Venturi and V. Ghisetti. **ESCV Conference**, Lisbon, 14-17 September 2016.
13. Poster **“Real-life evaluation of the FilmArray (ME) panel for the rapid diagnosis of meningitis and encephalitis”** Burdino E., Ruggiero T., Allice T., Milia M.G., Gregori G., Milano R., Orecchia R., and Ghisetti V. **27<sup>th</sup> ECCMID Conference**, Vienna, 22-25 April 2017.
14. Poster **“On field evaluation of illumigene malaria lamp assay: a new rapid molecular test for malaria in travelers from endemic countries”**. Burdino E., Pistono P, De Paola M, Milano R, Granito M, and Ghisetti V. **27<sup>th</sup> ECCMID Conference**, Vienna, 22-25 April 2017.
15. Partecipazione al **II congresso EVD-Lab Conference**, Rotterdam, 9-11 October 2017. Oral presentation **“Experience with ZIKV diagnostics in Torino, Italy North-West”**- Burdino E., Milia M.G., **EVD-Lab Conference**, Rotterdam, 9-11 October 2017.
16. Partecipazione al **III congresso EVD-Lab Conference** Roma 1-3 ottobre 2018.
17. Partecipazione al **IV congresso EVD-Lab Conference** Salonicco 4-6 novembre 2019.
18. Poster **“West Nile virus 2018 season in Italy: rapid spreading of West Nile neuroinvasive disease in northwest Italy”**. Burdino E., Allice T., Milia M.G., Gregori G., Morleo G., Cipriani R. , Pasqualini C., Ferrero P. , and Ghisetti V. **30<sup>th</sup> ECCMID Conference**, Parigi, 21-25 April 2019

(in corso di pandemia COVID-19 presente solo su ebook- **online**)

19. Partecipazione al **Virtual Meeting (EVD Network Annual Meeting)**, 19 maggio 2021.
20. Partecipazione al V congresso **EVD-Lab Conference** digital meeting, 23-24 giugno 2021.
21. Poster “**Microfluidic SARS-CoV-2 antigen point-of-care testing in Emergency Room Department**”. Francesco Cerutti, Elisa Burdino, Francesco Panero, Tiziano Allice, Gabriella Gregori, Maria Grazia Milia, Giulia Cavalot, Andrea Altavilla, Franco Aprà, Valeria Ghisetti V. **32<sup>th</sup> ECCMID Conference**, Lisbona, 23-26 April 2022.
22. Poster “**Molecular Typing for a Comparative Analysis of Mycobacterium bovis Strains from Animal and Human Sources in Piedmont, Italy**”. Canola S., Vitale N., Irico L., Dondo A., Zoppi S., Di Blasio A., Vignetta P., Ferrero PA., Ghisetti V., Burdino E., Mondo A., Cravero A., Zoccola R., Gorla M., Chiavacci L. **7th International Conference on Mycobacterium bovis**, NUI Galway, Ireland 7-10 June 2022.

#### **COMUNICAZIONI A CONGRESSI NAZIONALI**

1. Poster “**Streptococcus pyogenes: identificazione di caratteri fenotipici e genotipici**” Bianco S., Burdino E., Allice T. and Savoia D. **XXX Congresso Società di Microbiologia**, Catania 6-9 Ottobre 2002
2. Poster “**Human Immunodeficiency virus type-1 drug-resistance testing in low viremic patients: enhanced detection rate with magnetic-silica based nucleic acid extraction**”. Milia MG., Allice T., Gregori G., Burdino E., Scuccimarra E., Cazzadore M., Simoncelli B. and Ghisetti V. **4° Congresso Nazionale Società Italiana Virologia Medica**, Milano, 5-7 maggio 2010.
3. Poster “**HIV avidity index compared to other virological parameters in recent and established HIV infections: diagnostic relevance**”. Faraoni S., Proia R., Milia MG., Allice T., Gregori G., Burdino E., Ruggiero T., Signorino A., Galli C., Bonora S., Orofino G. and Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Firenze 27-29 marzo 2011.
4. Poster “**Evaluation of a new Real-time PCR method for HIV-1 RNA quantification in patients with low level of viremia**”. Milia MG., Allice T., Gregori G., Burdino E., Ruggiero T., Simoncelli B., Bottoni A., Galli C., Bonora S., Orofino G., Di Perri G. and Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Firenze 27-29 marzo 2011.
5. Poster “**HLA-B\*5701 typing by allele specific real-time PCR: comparison with sequence based typing**”. Milia MG., Allice T., Gregori G., Burdino E., Ruggiero T., Malta M., Scuccimarra E. and Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Firenze 27-29 marzo 2011.

6. Poster **“HIV avidity index compared to other virological parameters in recent and established HIV infections: diagnostic relevance”** ICAR Italian Conference on AIDS and Retrovirus, Firenze 27-29 marzo 2011
7. Poster **“Evaluation of a new Real-time PCR method for HIV-1 RNA quantification in patients with low level of viremia”**. ICAR Italian Conference on AIDS and Retrovirus, Firenze 27-29 marzo 2011
8. Poster: **“Diagnosi rapida della sepsi: approccio combinato test molecolare ed emocolture”**. XL congresso AMCLI 2011, 8-11 novembre 2011
9. Poster **“Evaluation of the prediction of HIV coreceptor tropism in different biological materials”**. Alice T., Milia M.G., Gregori G., Burdino E., Ruggiero T., Malta M., Scuccimarra E., Calcagno A., Orofino G., Bonora S. and Ghisetti V. ICAR Italian Conference on AIDS and Retrovirus, Napoli 10-12 giugno 2012.
10. Poster **“Vaginal and endocervical infections in symptomatic and asymptomatic non-pregnant women afferent to the clinical microbiology health care of a north west italy hospital”**. Burdino E., Alice T., Milia M.G., Gregori G., Ruggiero T., De Paola M., Milano R., Fianchino B., Pilone A.M., and Ghisetti V. XL congresso AMCLI 2012, 8-11 nov 2012
11. Poster **“Evaluation of a nested PCR as a confirmatory test for the diagnosis of malaria”** Milia M.G., Gregori G., Alice T., Burdino E., Ruggiero T., Del Giudice M., De Paola M., Pistono G. and Ghisetti V. XL congresso AMCLI 2012, 8-11 nov 2012
12. Poster **“HIV-2 Infection in Torino, North West Italy: Evaluation of a commercial quantitative HIV-2 RNA assay”** Alice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Proia R., Faraoni S., Isoardi P., Bramato C., Trentini L., Calcagno A., Orofino G., Bonora S., Ghisetti V. ICAR Italian Conference on AIDS and Retrovirus, Torino 12-14 maggio 2013
13. Poster **“Cerebrospinal fluid versus Plasma HIV-1 coreceptor tropism prediction”** Alice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Bottoni A., Scuccimarra E., Calcagno A., Orofino G., Bonora S., Ghisetti V. ICAR Italian Conference on AIDS and Retrovirus, Torino 12-14 maggio 2013
14. Poster **“NS3 Genetic variability and drug-resistance in proteases inhibitors naïve patients”**. Alice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Proia R., Proietti A., Signorino A., Boglione L., Cariti G., Di Perri G., Ghisetti V. ICAR Italian Conference on AIDS and Retrovirus, Torino 12-14 maggio 2013
15. Poster **“HIV-1 non-B subtype infection in Torino, Italy”**. Alice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Cerutti F., Resente P., Malta M., Orofino G., Busso M., Calcagno A., Bonora S., Ghisetti V. ICAR Italian Conference on AIDS and Retrovirus, Torino 12-14 maggio 2013

16. Poster **“Farmacoresistenza del virus dell’epatite C (HCV) in pazienti in trattamento con inibitori delle proteasi: esperienza piemontese”** Milia M.G., Gregori G., Allice T., Boglione L., Burdino E., Ruggiero T., Proietti Alex, Cariti G., DIP erri Giovanni e Ghisetti V. **XLII congresso AMCLI 2013**, 12-15 nov 2013
17. Poster **“Diagnosi da Dengue in Piemonte in viaggiatori provenienti da aree endemiche”** Milia M.G., Gregori G., Allice T., Burdino E., Ruggiero T., Lipani F., Calleri G., e Ghisetti V. **XLII congresso AMCLI 2013**, 12-15 nov 2013
18. Poster **“HLA-B\*5707 typing by two real-time PCR commercial assays: comparison with sequence based typing”** Allice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Roma 2014
19. Poster **“Role of the integrase genotyping resistance test in monitoring the development of virological failure under integrase inhibitors”** Allice T., Ruggiero T., Milia M.G., Burdino E., Gregori G., Resente P., Scuccimarra E., Orofino G., Bonora S. and Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Roma 2014
20. Poster **“Resistance genotyping testing for the detection of resistance-associated variants in treatment failure Telaprevir or Boceprevir based therapy for chronic hepatitis C infection”** Allice T., Ruggiero T., Milia M.G., Burdino E., Gregori, Proietti A., Boglione L., Cardellino C.C., Cariti G., Di Perri G. and Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Roma 2014
21. Poster **“Evaluation of the new commercial Duplica-RealTime HLA-B\*5701 EZ Screen test for HLA-B\*5701 typing”**. T. Allice, M.G. Milia, E. Burdino, G. Gregori , T. Ruggiero , A. Bottoni , M. Cazzadore , M. Zazzi and V. Ghisetti. **ICAR Italian Conference on AIDS and Retrovirus**, Riccione 2015
22. Poster **“Predominance of Q80K NS3 polymorphism among resistance-associated amino acid variants in Hepatitis C Virus Direct-Antiviral-Agent naïve patients”**. T. Ruggiero, T. Allice, M.G. Milia, E. Burdino, G. Gregori , A. Proietti , L. Boglione, C.S. Cardellino, G. Cariti, V. Ghisetti. **ICAR Italian Conference on AIDS and Retrovirus**, Riccione 2015
23. Poster **“Evaluation of integrase inhibitor genotyping tests for clinical detection of integrase resistance mutations in raltegravir-experienced patients”**. T. Allice, M.G. Milia, E. Burdino, G. Gregori, T. Ruggiero, A. Proietti, B. Simoncelli, L. Marinaro, A. Calcagno, G. Orofino, S. Bonora, V. Ghisetti. **ICAR Italian Conference on AIDS and Retrovirus**, Milano 2016
24. Poster **“Baseline HCV NS3 variants are frequently harbored by HIV/HCV coinfecting naïve patients: single centre experience”**. Ruggiero T., Proietti A., Burdino E., Gregori G., Allice T., Milia M.G., Boglione L., Calcagno A., Trentini L., Alcantarini C., Bonora S., Di Perri G., Ghisetti V. **ICAR Italian Conference on AIDS and Retrovirus**, Milano 2016

25. Poster “**Evaluation of the new commercial Duplica-RealTime HLA-B\*5701 EZ Type test for the HLA-B\*5701 typing**”. T. Alice, B. Bruzzone, M.G.Milia, E. Burdino, G. Gregori, T. Ruggiero, B. Simoncelli, N.Nigro, R. Barresi, M. Zazzi and V. Ghisetti and the Italian HLA-B\*5701 Network. **ICAR** Italian Conference on AIDS and Retrovirus, Milano 2017
26. Poster “**Evaluation of the rapid HIV-1 RNA quantification Xpert HIV-1 Viral load assay: comparison with the COBAS Ampliprep/COBASTaqMan HIV test**”. T. Alice, M.G. Milia, E. Burdino, G. Gregori, T. Ruggiero, M. Malta, E. Scuccimarra, P. Tremante, V. Ghisetti. Laboratory of Microbiology and Virology, ASL Città di Torino, Torino, Italy. **ICAR** Italian Conference on AIDS and Retrovirus, Milano 2018
27. Poster “**Evaluation of a pan-genotyping full population-based sequencing method for hepatitis C NS3, NS5A and NS5B drug resistance identification.**” T. Alice, M.G. Milia, E. Burdino, G. Gregori, L. Boglione, A. Bottoni, M. Cazzadore, P. Tremante, E. Scuccimarra, V. Ghisetti. Laboratory of Microbiology and Virology, ASL Città di Torino, Torino, Italy. **ICAR** Italian Conference on AIDS and Retrovirus, Milano 2019
28. Poster “**Performance of the AD-SEQ HIV-1 Solution a next-generation sequencing commercial kit for HIV drug resistance analysis.**” T. Alice, M.G. Milia, E. Burdino, G. Gregori, F.Cerutti, A. Bottoni, M. Cazzadore, P. Tremante, B. Simoncelli, D. Fiorito, E. Scuccimarra, V. Ghisetti. Laboratory of Microbiology and Virology, ASL Città di Torino, Torino, Italy. **ICAR** Italian Conference on AIDS and Retrovirus, Riccione 21-23 Ottobre 2021
29. Poster “**Efficacy of Sotrovimab as early COVID treatment of BA.1 sublineage of Omicron variant**”. E. Drappero, M. Ferrara, A. Gaviraghi, F. Alladio, F. Venuti, G. Stroffolini, G. Accardo, S. Fantino, F. Traverso, G. Trevisan, D. Vita, L. Di Girolamo, L. Ponzetta, M. Quaranta, F. Ranzani, A. Serra, L. Trentini, E. Burdino, G. Gregori, F. Cerutti, V. Ghisetti, C. Marchiaro, E. Catellani, G. Cinnirella, G. Di Perri, S. Bonora. Unit of Infectious Diseases, Department of Medical Sciences, University of Torino, Torino, Italy. **ICAR** Italian Conference on AIDS and Retrovirus, Bergamo dal 14 al 16 giugno 2022
30. Presentazione orale “**Sensibilità e specificità di un test antigenico con tecnica microfluidica per la diagnosi di infezione da sars-cov2 come strumento di screening per l’ospedalizzazione: differenze fenotipiche tra i pazienti positivi nel dipartimento di emergenza**” G. Cavalot; F. Panero; A. Altavilla; V. Ghisetti; E. Burdino; F. Cerutti; F. Aprà. **XII Congresso Nazionale SIMEU**, Riccione 13-15 maggio 2022.
31. Presentazione “**Evaluation of a new real-time PCR commercial test for HIV-DNA quantification in PBMC**”. T. Alice, M.G. Milia, E. Burdino, G. Gregori, F. Cerutti, S. Crisavola, S. Monteleone, E. Scuccimarra and V. Ghisetti **ICAR** Italian Conference on AIDS and Retrovirus, Bergamo dal 14 al 16 giugno 2022.

**CONSULENZA COME RELATRICE**

Relatore “**L’aderenza partecipata**”: progetto ARcHIVi, Torino 7/8/2010

Relatrice al congresso Meridian “**Focus on Prevenzione e controllo delle infezioni da C. difficile**” Ospedale di Settimo Torinese Via S. Cristina 3, 28 giugno 2012

Relatore “**Infezione da Dengue in Piemonte nei viaggiatori**” 7° National Conference Italian Society Of Tropical Medicine (SIMET), Torino 28-29 and 30/11/2013

Relatore “**Diagnosi Molecolare di sepsi**” XX Corso di formazione ed aggiornamento ex L.135/90- II livello- Area Dirigenza Medica, Torino 21 e 23/10/2014

Relatore “**Virus ri-emergenti: Chikungunya, Dengue, West Nile e virus delle febbri emorragiche**” Corso di formazione - La gestione del rischio microbiologico in laboratorio- Aula Ciocatto Osp. Maria Vittoria, Torino 19/3, 16/4, 21/5 e 18/6 2015

Partecipazione al **II** congresso **EVD-Lab Conference**, Rotterdam, 9-11 October 2017.

Partecipazione al **III** congresso **EVD-Lab Conference** Roma, 1-3 ottobre 2018.

Partecipazione al **IV** congresso **EVD-Lab Conference** Salonicco, 4-6 novembre 2019.

Partecipazione al convegno organizzato da Regione Piemonte e IPLA “25 anni di lotta integrata alle zanzare in Piemonte” con la presentazione della Relazione “**Clinica ed epidemiologia delle infezioni umane da West Nile virus in Piemonte 2018-2020**”, 20 dicembre 2020.

Partecipazione al **Virtual Meeting (EVD Network Annual Meeting)**, 19 maggio 2021.

Partecipazione al **V** congresso **EVD-Lab Conference** digital meeting, 23-24 giugno 2021.