

Matteo Augello

Address: San Paolo Hospital, ASST Santi Paolo e Carlo, Department of Health Sciences, University of Milan, Via A. Di Rudinì, 8, 20142, Milan, Italy (Work)

WORK EXPERIENCE

01/10/2022 – CURRENT Milan (MI), Italy

M.D., PH.D. STUDENT IN TRANSLATIONAL MEDICINE CLINIC OF INFECTIOUS DISEASES AND TROPICAL MEDICINE, SAN PAOLO HOSPITAL, UNIVERSITY OF MILAN

Translational research activity at the Clinic of Infectious Diseases and Tropical Medicine, San Paolo Hospital, ASST Santi Paolo e Carlo, Department of Health Sciences, University of Milan, Milan, Italy.

Translational research activity (mentors: Prof. Giulia Marchetti, M.D., Ph.D.; Prof. Camilla Tincati, M.D., Ph.D.):

- systemic and mucosal immunology in Human Immunodeficiency Virus (HIV) and Human Papillomavirus (HPV) infection;
- microbiota in HIV infection;
- T-cell and humoral responses to SARS-CoV-2 infection and vaccination in HIV-positive and -negative individuals;
- design and drafting of translational research projects in viral (HIV, HPV, SARS-CoV-2) immunology;
- main laboratory skills: PBMCs isolation, cell cultures, Magnetic Cell Separation, PBMCs stimulation, multicolor flow cytometry (antibody panel design, compensation, antibody titration, sample preparation, immunophenotyping, Intracellular Cytokine Staining, Cytometric Bead Array, FCS files analysis), ELISA, Simoa® technology;
- main software skills: FlowJo, FlowLogic, SPICE, GraphPad Prism, Microsoft Office (Word, Excel, PowerPoint), Pixelmator Pro, BioRender, REDCap.

Assistance in university teaching activities:

- lessons and exams: "Infectious Diseases" course, International Medical School, University of Milan, Milan, Italy;
- lessons: "Infectious Diseases" course, Degree Program "Tecniche di radiologia medica, per immagini e radioterapia", University of Milan, Milan, Italy.

02/11/2019 – 31/10/2023 Milan (MI), Italy

M.D., INFECTIOUS DISEASES AND TROPICAL MEDICINE RESIDENT CLINIC OF INFECTIOUS DISEASES AND TROPICAL MEDICINE, SAN PAOLO HOSPITAL, UNIVERSITY OF MILAN

Clinical and translational research activity at the Clinic of Infectious Diseases and Tropical Medicine, San Paolo Hospital, ASST Santi Paolo e Carlo, Department of Health Sciences, University of Milan, Milan, Italy.

Clinical activity:

- Infectious Diseases ward and day hospital (diagnosis, management and treatment of bacterial, viral, fungal, and parasitic infections in immunocompetent and immunocompromised patients);
- HIV outpatient clinic (follow-up of patients with HIV infection on combination antiretroviral therapy);
- Post COVID outpatient clinic (diagnosis and management of long-term sequelae after SARS-CoV-2 infection);
- STI (sexually transmitted infections), PrEP (Pre-Exposure Prophylaxis) and PEP (Post-Exposure Prophylaxis) counseling;
- outpatient screening of HPV-related anal dysplasia in HIV-positive/negative patients by anal Pap smears and High Resolution Anoscopy (HRA) with targeted biopsies;
- Infectious Diseases consultations in medical/surgical wards and Emergency Room.

Translational research activity (mentors: Prof. Giulia Marchetti, M.D., Ph.D.; Prof. Camilla Tincati, M.D., Ph.D.):

- systemic and mucosal immunology in Human Immunodeficiency Virus (HIV) and Human Papillomavirus (HPV) infection;
- microbiota in HIV infection;
- T-cell and humoral responses to SARS-CoV-2 infection and vaccination in HIV-positive and -negative individuals;
- design and drafting of translational research projects in viral (HIV, HPV, SARS-CoV-2) immunology;
- main laboratory skills: PBMCs isolation, cell cultures, Magnetic Cell Separation, PBMCs stimulation, multicolor flow cytometry (antibody panel design, compensation, antibody titration, sample preparation, immunophenotyping, Intracellular Cytokine Staining, Cytometric Bead Array, FCS files analysis), ELISA;
- main software skills: FlowJo, FlowLogic, SPICE, GraphPad Prism, Microsoft Office (Word, Excel, PowerPoint), Pixelmator Pro, BioRender.

01/04/2022 – 31/05/2022 Milan (MI), Italy

M.D., INFECTIOUS DISEASES AND TROPICAL MEDICINE RESIDENT CLINIC OF INFECTIOUS DISEASES, IRCCS CA' GRANDA OSPEDALE MAGGIORE POLICLINICO, UNIVERSITY OF MILAN

Clinical activity at Clinic of Infectious Diseases, IRCCS Ca' Granda Ospedale Maggiore Policlinico, Department of Pathophysiology and Transplantation, University of Milan, Milan, Italy:

- Infectious Diseases ward and day hospital;
- Infectious Diseases consultations in transplant wards, surgical wards and Emergency Room.

01/10/2021 – 30/11/2021 Milan (MI), Italy

M.D., INFECTIOUS DISEASES AND TROPICAL MEDICINE RESIDENT CLINIC OF INFECTIOUS DISEASES III, LUIGI SACCO HOSPITAL, UNIVERSITY OF MILAN

Clinical activity at Clinic of Infectious Diseases III, Luigi Sacco Hospital, ASST Fatebenefratelli Sacco, Department of Biomedical and Clinical Sciences, University of Milan, Milan, Italy:

- Infectious Diseases ward and day hospital;
- Infectious Diseases consultations in Intensive Care Unit, surgical wards and Emergency Room.

01/11/2018 – 31/01/2019 Perugia (PG), Italy

GRADUATE TRAINEE SANTA MARIA DELLA MISERICORDIA HOSPITAL, UNIVERSITY OF PERUGIA

Post-graduate training at:

- Hematology and Bone Marrow Transplantation Clinic, Santa Maria della Misericordia Hospital, Department of Medicine and Surgery, University of Perugia, Perugia, Italy;
- General and Emergency Surgery Clinic, Santa Maria della Misericordia Hospital, Department of Medicine and Surgery, University of Perugia, Perugia, Italy;
- General Practitioner Clinic.

● EDUCATION AND TRAINING

2010 San Giovanni Rotondo (FG), Italy

SCIENTIFIC HIGH SCHOOL DIPLOMA Liceo Scientifico "Maria Immacolata"

Final grade 100/100 cum laude

2018 Perugia (PG), Italy

DOCTOR OF MEDICINE (M.D.) University of Perugia

Final grade 110/110 cum laude |

Thesis Experimental thesis at Microbiology and Virology Laboratory and Hematology and Bone Marrow Transplantation Clinic, Santa Maria della Misericordia Hospital, Department of Medicine and Surgery, University of Perugia, Perugia, Italy: "Role of Real-Time PCR in Pneumocystis jirovecii pneumonia diagnosis in oncohematology".

2019 Perugia (PG), Italy

ITALIAN MEDICAL LICENCE University of Perugia

02/11/2019 – 31/10/2023 Milan (MI), Italy

INFECTIOUS DISEASES AND TROPICAL MEDICINE RESIDENCY PROGRAM University of Milan

Final grade 70/70 cum laude |

Thesis Experimental thesis at Clinic of Infectious Diseases and Tropical Medicine, San Paolo Hospital, ASST Santi Paolo e Carlo, Department of Health Sciences, University of Milan, Milan, Italy: "Characterization of immune responses to SARS-CoV-2 infection in people living with HIV".

09/2021 – 09/2021 Milan (MI), Italy

ADVANCED COURSE IN NEXT GENERATION FLOW CYTOMETRY University of Milan

In-depth study of theoretical and practical aspects (lectures) and computational analytical methodologies (dry lab) of multidimensional flow cytometry in the biomedical field.

01/2022 – 01/2022

ICH GOOD CLINICAL PRACTICE E6 (R2) E-LEARNING COURSE Global Health Training Centre

05/2022 – 05/2022 Milan (MI), Italy

COURSE IN BASIC STATISTICS FOR MEDICAL SCIENCE University of Milan

01/10/2022 – CURRENT Milan (MI), Italy

PH.D. PROGRAM IN TRANSLATIONAL MEDICINE University of Milan

04/09/2023 – 08/09/2023 Lisbon, Portugal

HIV SUMMER SCHOOL 2023 (RESEARCH MODULE) European AIDS Clinical Society (EACS)

Website <https://www.eacsociety.org/education/hiv-summer-school/>

02/2024 – CURRENT Italy

ICONA XT 2.0 (NEXT GENERATION EDUCATIONAL PROGRAM IN HIV) ICONA Foundation

Website <https://www.iconaxt.it/index.php>

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s): **ENGLISH**

● **DIGITAL SKILLS**

Microsoft Office | GraphPad Prism | FlowJo | FlowLogic | SPICE | Pixelmator Pro | BioRender

● **NETWORKS AND MEMBERSHIPS**

03/2019 – CURRENT

OMCeO Foggia (Ordine dei Medici Chirurghi e degli Odontoiatri della provincia di Foggia)

03/2022 – CURRENT

ESCMID (European Society of Clinical Microbiology and Infectious Diseases)

Member of the following study groups: EVASG (ESCMID Vaccine Study Group), ESGHAMI (ESCMID Study Group for Host and Microbiota Interactions), ESGREV (ESCMID Study Group for Respiratory Viruses)

03/2022 – CURRENT

EACS (European AIDS Clinical Society)

09/2022 – CURRENT

SIMIT (Società Italiana di Malattie Infettive e Tropicali)

01/2024 – CURRENT

ICONA (Italian COhort Naive Antiretrovirals) Foundation

● **LANGUAGE CERTIFICATIONS**

Pearson Test of English (PTE) Academic

PTE Academic Score: 64 (CEFR Equivalent: B2)

Validity: 26/07/2022 – 26/07/2024

● **GRANTS AND AWARDS**

Scholarship for attendance at CROI (Conference on Retroviruses and Opportunistic Infections) 2023, February 19-22, 2023, Seattle (Washington), USA

Awarded by SIMIT (Società Italiana di Malattie Infettive e Tropicali) with the support of ViiV Healthcare S.r.l.

Travel Grant for attendance at ECCMID (European Congress of Clinical Microbiology and Infectious Diseases) 2023, April 15-18, 2023, Copenhagen, Denmark

Awarded by ESCMID (European Society of Clinical Microbiology and Infectious Diseases)

Scholarship for attendance at European AIDS Conference 2023, October 18-21, 2023, Warsaw, Poland

Awarded by SIMIT (Società Italiana di Malattie Infettive e Tropicali) with the support of ViiV Healthcare S.r.l.

New Investigator Scholarship for attendance at CROI 2024 (31st Conference on Retroviruses and Opportunistic Infections), 3-6 March 2024, Denver (Colorado), USA

Awarded by CROI (Conference on Retroviruses and Opportunistic Infections)

VOLUNTEERING

11/2022 Milan (MI), Italy

Convivio 2022

Counseling for Sexually Transmitted Infections and HIV/HCV Point-Of-Care Testing (POCT) during the event "Convivio 2022" organized by ANLAIDS (Associazione Nazionale per la Lotta contro l'AIDS) Sezione Lombardia.

THIRD MISSION

09/09/2022

Guest in the television program "TL casa" on Telelombardia

Discussion and live Q&A on topics related to HIV and Monkeypox.

CONFERENCES AND SEMINARS

10/02/2020 – 11/02/2020 Florence (FI), Italy

SWITCH ART 2020 – 6th edition (switch, simplification and intensification strategies to optimize cART)

12/10/2020 – 16/10/2020 Online

ICAR 2020 Digital Edition (12th Italian Conference on AIDS and Antiviral Research)

Coauthor of an abstract presented as oral communication: "Progression of anal/cervical dysplasia is associated with Human Papillomavirus (HPV) and syphilis coinfection in HIV-infected patients", #OC30.

07/06/2021 – 08/06/2022 Milan (MI), Italy

HIV e COVID-19: quali nuove sfide? Virtual edition

21/10/2021 – 23/10/2021 Riccione (RN), Italy

ICAR 2021 (13th Italian Conference on AIDS and Antiviral Research)

Coauthor of an abstract presented as oral communication: "SARS-CoV-2 plasmatic viremia and T-cell immune response in hospitalized COVID-19 patients", #OC37.

Coauthor of an abstract presented as oral poster: "Differences in response to mRNA BNT162b2 vaccine among a cohort of health care workers (HCWS): insight into the potential of a booster dose", #OP84.

11/11/2021 Saronno (VA), Italy

Advanced management of HIV patients

Presentation of a case report: "Switch to a TAF-based antiretroviral regimen in a HIV/HBV-coinfected woman in perimenopause".

17/05/2022 Milan (MI), Italy

Nuove e vecchie patologie infettive: è tempo di innovazione

Presentation of an abstract: "T-cell and humoral responses to mRNA-1273 vaccine up to 6 months in late presenter people living with HIV".

07/06/2022 Milan (MI), Italy

COVID-19: stato dell'arte

14/06/2022 – 16/06/2022 Bergamo (BG), Italy

ICAR 2022 (14th Italian Conference on AIDS and Antiviral Research)

Presenting author of an abstract as oral communication: "T-cell and humoral responses to 1273-mRNA vaccine up to 6 months in late presenter people living with HIV (PLWH)", #OC8.

28/06/2022 – 29/06/2022 Genova (GE), Italy

Game changing in HIV

08/09/2022 – 10/09/2022 Milan (MI), Italy

WAIIdid (World Association for Infectious Diseases and Immunological Disorders) Congress 2022

20/09/2022 – 21/09/2022 Bergamo (BG), Italy

Next steps in HIV: giovani ricercatori a confronto

30/09/2022 Milan (MI), Italy

Excellence in HIV Lombardia: a lab for new generation

11/10/2022 – 12/10/2022 Turin (TO), Italy
LHIVE my best life

14/10/2022 – 15/10/2022 Catanzaro (CZ), Italy
Workshop "Coalition HIV" 2022: HIV, a manageable workflow

23/10/2022 – 26/10/2022 Glasgow, United Kingdom
HIV Glasgow 2022 (International Congress on Drug Therapy in HIV Infection)

Presenting author of an abstract as poster: "T-cell and humoral responses to mRNA-1273 vaccine up to 6 months in late presenter (LP) people living with HIV (PLWH)", #P248.

Coauthor of an abstract presented as poster: "Retrospective study comparing outcome, safety and virological clearance at day 7 in patients with mild-moderate COVID-19 disease treated with molnupiravir, nirmatrelvir/ritonavir and short-course of remdesivir", #P258.

25/01/2023 Milan (MI), Italy
COVID-19: da epidemia a endemia. Vecchie e nuove sfide

19/02/2023 – 23/02/2023 Seattle (Washington), USA
CROI 2023 (30th Conference on Retroviruses and Opportunistic Infections)

Attendance as "New Investigator".

Presenting author of an abstract as poster: "High RNAemia associates with skewed T-cell response in PLWH hospitalized with COVID-19", #P344.

Coauthor of an abstract presented as poster: "Adaptive immunity dysregulation is associated to the development of Long-COVID", #P287.

Oral presentation of the poster #P344 during the special session "CROI-ICAR Awards 2023" (CROI Affiliated Event for Italian Young Investigators).

07/03/2023 – 08/03/2023 Milan (MI), Italy
Women and research during pandemic: a great past and a more exciting future

15/04/2023 – 18/04/2023 Copenhagen, Denmark
ECCMID 2023 (33rd European Congress of Clinical Microbiology and Infectious Diseases)

Young Scientist Travel Grant winner.

Presenting author of an abstract as poster: "SARS-CoV-2-specific T-cell responses in hospitalised people living with HIV (PLWH) with COVID-19 pneumonia", #P2667.

Coauthor of an abstract presented as poster: "SARS-CoV-2 RNAemia and humoral response in patients developing ongoing symptomatic COVID-19 (OSC)", #P2663.

09/06/2023 – 10/06/2023 Vigevano (PV), Italy
Microbes and more! Circular discussions in HIV and other infections

Presenter of original contributions on HIV and COVID-19: "Immune responses to SARS-CoV-2 natural infection and vaccination in people living with HIV (PLWH)"

14/06/2023 – 16/06/2023 Bari (BA), Italy
ICAR 2023 (15th Italian Conference on AIDS and Antiviral Research)

Presenting author of an abstract as poster: "Association between SARS-CoV-2 RNAemia and systemic inflammation in people with HIV hospitalized for acute COVID-19 pneumonia", #P232

Coauthor of an abstract presented as oral communication and awarded as best "Virology and Immunopathogenesis" abstract by SIMIT (Società Italiana di Malattie Infettive e Tropicali): "Effects of cART on residual inflammation and HIV reservoirs in primary and chronic HIV infection", #OC13

Coauthor of an abstract presented as poster: "Gut microbiome influences the reservoir in acute, cART-treated HIV", #P231

Coauthor of an abstract presented as poster: "Heavily treatment-experienced (HTE) people living with HIV (PLWH) with vertical transmission and detectable viremia do not display increased peripheral inflammation markers: data from the PRESTIGIO Registry", #P233

12/09/2023 Milan (MI), Italy
Novel data on new and old epidemics

25/09/2023 Milan (MI), Italy
Terapia antivirale: nuove strategie terapeutiche tra presente e futuro

26/09/2023 – 27/09/2023 Genova (GE), Italy
Next steps in HIV on the road

04/10/2023 Genova (GE), Italy
Evolving mindset in HIV management

06/10/2023 Milan (MI), Italy
Il paziente HIV virologicamente soppresso: la gestione a lungo termine

12/10/2023 – 13/10/2023 Milan (MI), Italy
Giornate infettivologiche "Luigi Sacco" 2023

18/10/2023 – 21/10/2023 Warsaw, Poland
EACS 2023 (19th European AIDS Conference)

Presenting author of an abstract as poster: "T-cell responses to an original/BA.4-5 bivalent 4th mRNA vaccine dose in people living with HIV (PLWH) on efficacious cART"
Coauthor of an abstract presented as oral communication: "Gut barrier damage and reservoirs, yet not peripheral inflammation, are contained in PHI-treated PLWH"

03/12/2023 – 06/12/2023 Florence (FI), Italy
SIMIT 2023 (XXII Congresso Nazionale SIMIT)

Presenting author of an abstract as poster: "Immune responses to an original/BA.4-5 bivalent booster of SARS-CoV-2 mRNA vaccine in people living with HIV on effective cART", #PP209

06/02/2024 – 07/02/2024 Rome (RM), Italy
HIV & Coinfections (10th ICONA Foundation Meeting)

Presentation of new data from the ICONA cohort: "Long-term immune responses to an original/BA.4-5 bivalent booster of SARS-CoV-2 mRNA vaccine in people living with HIV on effective ART".

03/03/2024 – 06/03/2024 Denver (Colorado), USA
CROI 2024 (31st Conference on Retroviruses and Opportunistic Infections)

Attendance as "New Investigator Scholarship Recipient"
Presenting author of an abstract as poster: "Immune responses to an original/BA.4-5 bivalent booster of SARS-CoV-2 mRNA vaccine in PWH on ART", #P388.
Coauthor of an abstract presented as poster: "Role of first-line 48-week 3TC/DTG and FTC/TAF/BIC in lipidome composition and weight changes: data from ICONA cohort", #P813
Oral presentation of the poster #P388 during the special session "CROI-ICAR Awards 2024" (CROI Affiliated Event for Italian Young Investigators).
Participation in the following activities: New Investigators Workshop, Meet the Luminary session (Richard Koup), Poster Walk (Joseph J Eron).

● **CONFERENCE ABSTRACTS**

RT-PCR for SARS-CoV-2 in nasopharyngeal swabs: predictors of prolonged viral shedding, #EP10968

AIDS 2020 Virtual (23rd International AIDS Conference)
Mulè G, Bai F, Tavelli A, Falcinella C, Barbanotti D, Tomasoni D, Castoldi R, **Augello M**, Allegrini M, Cona A, Tagliaferri G, Marchetti G, d'Arminio Monforte A

Progression of anal/cervical dysplasia is associated with Human Papillomavirus (HPV) and syphilis coinfection in HIV-infected patients, #OC30

ICAR 2020 Digital Edition (12th Italian Conference on AIDS and Antiviral Research)
Tincati C, Bai F, Mondatore D, Liparoti A, **Augello M**, Giovenzana M, Pisani Ceretti A, Opocher E, d'Arminio Monforte A, Marchetti G

Female gender, but not severity of disease, is characterised by a high prevalence of long COVID-19 syndrome: cohort study of patients recovered from COVID-19 disease in Milan, Italy, #4514

ECCMID 2021 (31st European Congress of Clinical Microbiology and Infectious Diseases)
Bai F, Tomasoni D, Falcinella C, Barbanotti D, Castoldi R, Mulè G, Mondatore D, Allegrini M, Tesoro D, Tagliaferri D, **Augello M**, Cona A, Suardi E, Viganò O, Tincati C, Beringheli T, Luridiana C, Piscopo K, Vegni E, Tavelli A, Marchetti G, d'Arminio Monforte A

SARS-CoV-2 plasmatic viremia and T-cell immune response in hospitalized COVID-19 patients, #OC37

ICAR 2021 (13th Italian Conference on AIDS and Antiviral Research)
Rovito R, Bono V, **Augello M**, Tincati C, Bai F, Allegrini M, Hadla M, d'Arminio Monforte A, Marchetti G

Differences in response to mRNA BNT162b2 vaccine among a cohort of health care workers (HCWs): insight into the potential of a booster dose, #OP84

ICAR 2021 (13th Italian Conference on AIDS and Antiviral Research)

Tavelli A, Allegrini M, Perrone P, Bordoni V, Longo A, Bono V, **Augello M**, Romanò L, De Francesco W, Grande R, Colosio C, Marchetti G, d'Arminio Monforte A

Reactogenicity of mRNA-1273 vaccine in people living with HIV (PLWH): a prospective study, #OS4/4

EACS 2021 (18th European AIDS Conference)

Tomasoni D, Tavelli A, Rodanò A, Barbanotti D, Falcinella C, **Augello M**, Pettenuzzo S, Beringheli T, De Bona A, Bin T, Marchetti G, d'Arminio Monforte A

Abstracts of the 18th European AIDS Conference (EACS 2021), Online & London, United Kingdom, October 27-30, 2021. *HIV Med.* 2021 Oct;22 Suppl 3:4-309. doi: 10.1111/hiv.13183.

SARS-CoV-2 plasma viremia and dysregulated immunity in severe COVID-19, #1279

CROI 2022 (29th Conference on Retroviruses and Opportunistic Infections)

Rovito R, Bono V, **Augello M**, Tincati C, Mainoldi F, Beaudoin-Bussièrès G, Bianchi S, Hadla M, Yellenki V, Casola S, Borghi E, Finzi A, d'Arminio Monforte A, Marchetti G

Rovito R, Bono V, Augello M, et al. SARS-CoV-2 plasma viremia and dysregulated immunity in severe COVID-19 [CROI Abstract 1279]. In Special Issue: Abstracts From the 2022 Conference on Retroviruses and Opportunistic Infections. *Top Antiv Med.* 2022;30(1s):137

Association between SARS-CoV-2 RNAemia and dysregulated immune response in acutely ill hospitalized COVID-19 patients, #P2172

ECCMID 2022 (32nd European Congress of Clinical Microbiology and Infectious Diseases)

Rovito R, Bono V, **Augello M**, Tincati C, Mainoldi F, Beaudoin-Bussièrès G, Bianchi S, Hadla M, Yellenki V, Casola S, Borghi E, Finzi A, d'Arminio Monforte A, Marchetti G

T-cell and humoral responses to 1273-mRNA vaccine up to 6 months in late presenter people living with HIV (PLWH), #OC8

ICAR 2022 (14th Italian Conference on AIDS and Antiviral Research)

Augello M, Bono V, Rovito R, Hadla M, Yellenki V, Tincati C, d'Arminio Monforte A, Marchetti G

T-cell and humoral responses to 1273-mRNA vaccine up to 6 months in late presenter people living with HIV (PLWH), #P248

HIV Glasgow 2022 (International Congress on Drug Therapy in HIV Infection)

Augello M, Bono V, Rovito R, Yellenki V, Tincati C, d'Arminio Monforte A, Marchetti G

Augello M, Bono V, Rovito R, Yellenki V, Tincati C, d'Arminio Monforte A, et al. T-cell and humoral responses to mRNA-1273 vaccine up to 6 months in late presenter (LP) people living with HIV (PLWH). HIV Glasgow, 23-26 October 2022, Glasgow, UK / Virtual. *J Int AIDS Soc.* 25: e26009. doi: 10.1002/jia2.26009.

Retrospective study comparing outcome, safety and virological clearance at day 7 in patients with mild-moderate COVID-19 disease treated with molnupiravir, nirmatrelvir/ritonavir and short-course of remdesivir, #P258

HIV Glasgow 2022 (International Congress on Drug Therapy in HIV Infection)

Beringheli T, Bai F, Vitaletti V, Molà F, Copes A, Gemignani N, Pettenuzzo S, Barbanotti D, Mulè G, Castoldi R, Varisco B, Nardo R, Lundgren L, Albertini L, **Augello M**, Biasoli L, Falcinella C, Tomasoni D, Marchetti G, d'Arminio Monforte A, Beringheli T, Bai F, Vitaletti V, Molà F, Copes A, Gemignani N, et al. Retrospective study comparing outcome, safety and virological clearance at day 7 in patients with mild-moderate COVID-19 disease treated with molnupiravir, nirmatrelvir/ritonavir and short-course of remdesivir. HIV Glasgow, 23-26 October 2022, Glasgow, UK / Virtual. *J Int AIDS Soc.* 25: e26009. doi: 10.1002/jia2.26009.

High RNAemia associates with skewed T-cell response in PLWH hospitalized with COVID-19, #P344

CROI 2023 (30th Conference on Retroviruses and Opportunistic Infections)

Augello M, Bono V, Rovito R, Tincati C, Bianchi S, Taramasso L, Di Biagio A, Callegaro A, Maggiolo F, Borghi E, d'Arminio Monforte A, Marchetti G

Adaptive immunity dysregulation is associated to the development of Long-COVID, #P287

CROI 2023 (30th Conference on Retroviruses and Opportunistic Infections)

Rovito R, Bono V, **Augello M**, Bai F, Tincati C, Beaudoin-Bussièrès G, Tauzin A, Bianchi S, Mikulak J, Borghi E, d'Arminio Monforte A, Della Bella S, Finzi A, Mavilio D, Marchetti G

SARS-CoV-2-specific T-cell responses in hospitalised people living with HIV (PLWH) with COVID-19 pneumonia, #P2667

ECCMID 2023 (33rd European Congress of Clinical Microbiology and Infectious Diseases)

Augello M, Bono V, Rovito R, Tincati C, Bianchi S, Taramasso L, Di Biagio A, Callegaro A, Maggiolo F, Borghi E, d'Arminio Monforte A, Marchetti G

SARS-CoV-2 RNAemia and humoral response in patients developing ongoing symptomatic COVID-19 (OSC), #P2663

ECCMID 2023 (33rd European Congress of Clinical Microbiology and Infectious Diseases)

Rovito R, Bono V, **Augello M**, Bai F, Tincati C, Beaudoin-Bussi res G, Tauzin A, Bianchi S, Borghi E, d'Arminio Monforte A, Finzi A, Marchetti G

Heavily treatment-experienced (HTE) people living with HIV (PLWH) with vertical transmission and detectable viremia do not display increased peripheral inflammation markers: data from the PRESTIGIO Registry

IAS 2023 (12th IAS Conference on HIV Science)

Bono V, Spagnuolo V, Galli L, Di Biagio A, **Augello M**, Rovito R, Garlassi E, Moioli MC, Foc  E, Tincati C, Castagna A, Marchetti G

Association between SARS-CoV-2 RNAemia and systemic inflammation in people with HIV hospitalized for acute COVID-19 pneumonia, #P232

ICAR 2023 (15th Italian Conference on AIDS and Antiviral Research)

Augello M, Bono V, Rovito R, Tincati C, Bianchi S, Taramasso L, Di Biagio A, Callegaro A, Maggiolo F, Borghi E, d'Arminio Monforte A, Marchetti G

Effects of cART on residual inflammation and HIV reservoirs in primary and chronic HIV infection, #OC13

ICAR 2023 (15th Italian Conference on AIDS and Antiviral Research)

Bono V, Tincati C, **Augello M**, Rovito R, Rusconi S, Gabrieli A, Nozza S, Bruzzesi E, Gori S, Calcagno A, Giacomelli A, Marchetti G for the INACTION (Italian Network of ACute HIV InfectiON) Study Group
Awarded as best "Virology and Immunopathogenesis" abstract by SIMIT (Societ  Italiana di Malattie Infettive e Tropicali)

Gut microbiome influences the reservoir in acute, cART-treated HIV, #P231

ICAR 2023 (15th Italian Conference on AIDS and Antiviral Research)

Tincati C, Bono V, **Augello M**, Rovito R, Rusconi S, Gabrieli A, Giacomelli A, Muscatello A, Dispinseri S, d'Arminio Monforte A, Calcagno A, Nozza A, Gori A, Marchetti G for the INACTION (Italian Network of ACute HIV InfectiON) Study Group

Heavily treatment-experienced (HTE) people living with HIV (PLWH) with vertical transmission and detectable viremia do not display increased peripheral inflammation markers: data from the PRESTIGIO Registry, #P233

ICAR 2023 (15th Italian Conference on AIDS and Antiviral Research) Tincati C, Bono V, Spagnuolo V, Galli L, di Biagio A, Augello M, Rovito R, Garlassi E, Moioli MC, Foc  E, Castagna A, Marchetti G

T-cell responses to an original/BA.4-5 bivalent 4th mRNA vaccine dose in people living with HIV (PLWH) on efficacious cART

EACS 2023 (19th European AIDS Conference)

Augello M, Bono V, Rovito R, Rodan  A, Tincati C, Vergori A, Righi E, Azzini AM, Antinori A, Tacconelli E, d'Arminio Monforte A, Marchetti G on behalf of the VaxICONA-ORCHESTRA Study Group

Gut barrier damage and reservoirs, yet not peripheral inflammation, are contained in PHI-treated PLWH

EACS 2023 (19th European AIDS Conference)

Bono V, Tincati C, **Augello M**, Rovito R, Rusconi S, Gabrieli A, Nozza S, Bruzzesi E, Gori A, Calcagno A, Giacomelli A, Marchetti M for the INACTION (Italian Network of Acute HIV Infection) Study Group

Immune responses to an original/BA.4-5 bivalent booster of SARS-CoV-2 mRNA vaccine in people living with HIV on effective cART, #PP209

Augello M, Bono V, Rovito R, Tavelli A, Tincati C, Vergori A, Azzini AM, Righi E, Antinori A, Tacconelli E, d'Arminio Monforte A, Marchetti G on behalf of the VaxICONA-ORCHESTRA Study Group

Immune responses to an original/BA.4-5 bivalent booster of SARS-CoV-2 mRNA vaccine in PWH on ART, #P388

CROI 2024 (31st Conference on Retroviruses and Opportunistic Infections), 3-6 March 2024, Denver (Colorado), USA

Augello M, Bono V, Rovito R, Tavelli A, Tincati C, Vergori A, Azzini AM, Righi E, Antinori A, Tacconelli E, d'Arminio Monforte A, Marchetti G on behalf of the VaxICONA-ORCHESTRA Study Group

Role of first-line 48-week 3TC/DTG and FTC/TAF/BIC in lipidome composition and weight changes: data from the VaxICONA cohort, #P813

CROI 2024 (31st Conference on Retroviruses and Opportunistic Infections), 3-6 March 2024, Denver (Colorado), USA
Rovito R, Bono V, Tincati C, **Augello M**, Tavelli A, Rodanò A, Bai F, d'Arminio Monforte A, Marchetti G for the ICONA Foundation Study Group

PUBLICATIONS

The importance of patients' case-mix for the correct interpretation of the hospital fatality rate in COVID-19 disease

d'Arminio Monforte A, Tavelli A, Bai F, Tomasoni D, Falcinella C, Castoldi R, Barbanotti D, Mulè G, Allegrini M, Tesoro D, Tagliaferri G, Mondatore D, **Augello M**, Cona A, Ancona G, Gazzola L, Iannotti N, Tincati C, Viganò O, De Bona A, Bini T, Cozzi-Lepri A, Marchetti G. The importance of patients' case-mix for the correct interpretation of the hospital fatality rate in COVID-19 disease. *Int J Infect Dis*. 2020 Nov;100:67-74. doi: 10.1016/j.ijid.2020.09.037.

Declining mortality rate of hospitalised patients in the second wave of the COVID-19 epidemics in Italy: risk factors and the age-specific patterns

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Long-term suppressive cART is not sufficient to restore intestinal permeability and gut microbiota compositional changes

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A quantitative estimate of the expected shortening of the median isolation period of patients with COVID-19 after the adoption of a symptom-based strategy

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Renal microsporidiosis due to *Encephalitozoon cuniculi* in an HIV/AIDS patient with persistent fever and kidney injury

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Predictors of low ovarian reserve in cART-treated women living with HIV

Merlini E, Tincati C, Sacchi V, **Augello M**, Bono V, Cannizzo ES, Allegrini M, Gazzola L, d'Arminio Monforte A, Marconi AM, Ravizza M, Marchetti G. Predictors of low ovarian reserve in cART-treated women living with HIV. *Medicine*. 2021 Oct 1;100(39):e27157. doi: 10.1097/MD.00000000000027157.

Female gender is associated with "long COVID" syndrome: a prospective cohort study

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Persistence of high percentage of peripheral activated CD8+ T cells predict cytologic HPV-related dysplasia in cART-treated, HIV-positive subjects

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Real world estimate of vaccination protection in individuals hospitalized for COVID-19

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* Member of the SPID Group

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Failure of CD4+ T-cell recovery upon virally-effective cART: an enduring gap in the understanding of HIV+ immunological non-responders

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Gut-dependent inflammation and alterations of the intestinal microbiota in individuals with perinatal HIV exposure and different HIV serostatus

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Gamma-delta T-cell phenotype and function in DAA-treated HIV-HCV co-infected and HCV mono-infected subjects

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Association between SARS-CoV-2 RNAemia and dysregulated immune response in acutely ill hospitalized COVID-19 patients

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Immunologic interplay between HIV/AIDS and COVID-19: adding fuel to the flames?

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Six-month immune responses to mRNA-1273 vaccine in combination antiretroviral therapy treated late presenter people with HIV according to previous SARS-CoV-2 infection

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Risk of COVID-19 in-hospital mortality in people living with HIV compared to general population according to age and CD4 strata: data from the ICONA network

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Primary HIV infection features colonic damage and neutrophil inflammation yet containment of microbial translocation

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Association between SARS-CoV-2 RNAemia, skewed T cell responses, inflammation, and severity in hospitalized COVID-19 people living with HIV

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* Co-first author

Clinical outcome and 7-day virological clearance in high-risk patients with mild-moderate COVID-19 treated with molnupiravir, nirmatrelvir/ritonavir or remdesivir

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MANUSCRIPTS UNDER REVIEW

Should SARS-CoV-2 serological testing be used in the decision to deliver a COVID-19 vaccine booster? A pro-con assessment

Augello M, Wagenhauser I, Krone M, Dauby N, Ferrara P, Sabatucci M, Ruta S, Rezahosseini O, Velikov P, Gkrania-Klotsas E, Montes J, Franco-Paredes C, Goodman AL, Küçükaya S, Tuells J, Barrella Harboe Z, Epaulard O

Multi-layered deep immune profiling, SARS-CoV-2 RNAemia and inflammation in acutely ill unvaccinated COVID-19 individuals developing Long COVID

Rovito R, Bono V, Coianiz N, Cazzetta V, Franzese S, Mikulak J, Di Vito C, Bai F, Beaudoin-Bussièrès G, Tauzin A, **Augello M**, Tincati C, Santoro A, Borghi E, Marozin S, Finzi A, Della Bella S, Mavilio D, Marchetti G

Long-term immune responses to an original-BA.4/5 SARS-CoV-2 mRNA booster in people living with HIV

Augello M, Bono V, Rovito R, Tavelli A, Santoro A, Tincati C, Vergori A, Azzini AM, Righi E, Antinori A, Tacconelli E, d'Arminio Monforte A, Marchetti G on behalf of the VaxICONA-ORCHESTRA Study Group

NATIONAL PUBLICATIONS

Congress Report. HIV Drug Therapy: novità di terapia antiretrovirale. Glasgow, 23-26 ottobre 2022

Madeddu G, **Augello M**, Marchetti G, Rusconi S. Congress Report. HIV Drug Therapy: novità di terapia antiretrovirale. Glasgow, 23-26 ottobre 2022. *ReAdfiles*, ISSN: 2612-2618, anno XXIII, N. 4, Dicembre 2022, pp. 61-65.

BOOK CHAPTERS

Patogenesi delle malattie infettive. In: Manuale di Malattie Infettive e Tropicali e casi clinici correlati

Augello M, Allegrini M, Marchetti G. Patogenesi delle malattie infettive. In: *Manuale di Malattie Infettive e Tropicali e casi clinici correlati*. PICCIN Nuova Libreria S.P.A. 2023. ISBN: 978-88-299-3366-2.

PEER REVIEWER

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SCIENTIFIC IDENTIFIERS

ORCID

0000-0002-1031-9504

Scopus ID

57219087245

Web of Science ResearcherID

HLX-6256-2023

Loop profile

1165704

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