

## ***Curriculum vitae Alessandra Oliva***

### **Personal information:**

Alessandra Oliva,  
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### **Work experiences:**

- Current position (02 May 2022- now): Assistant Professor in Infectious Diseases, Sapienza University of Rome;
- 01 August 2019-now: Infectious Diseases Physician, Azienda Ospedaliera-Universitaria Policlinico Umberto I, Rome;
- (01 August 2018-01 May 2022): Researcher at Sapienza University of Rome, Department of Public Health and Infectious Diseases;
- 13 April 2016-31 July 2018: Infectious Diseases Consultant at Neuromed Istituto Neurologico Mediterraneo, Pozzilli (IS)
- 01 August 2018-31 July 2019: Research contract of research and clinical activity at Neuromed Istituto Neurologico Mediterraneo, Pozzilli (IS);
- 09 May 2016-29 June 2018: Infectious Diseases Consultant, Policlinico Umberto I Sapienza University of Rome
- April 2016-31 July 2019: member of hospital infection committee (Comitato per le Infezioni Ospedaliere) at Neuromed Istituto Neurologico Mediterraneo, Pozzilli (IS)
- January 2015-may 2016: Post-doctoral fellowship at Sapienza University of Rome (Department of Public Health and Infectious Diseases);
- May 2014-July 2018: Infectious Diseases Consultant at Intensive Care Unit of Nuova Clinica Latina (Via Patrica 15, Rome);
- 26 April 2012-31 January 2013: Infectious Diseases Department-Septic Surgery CHUV (Centre Hospitalier Universitaire Vaudois), Lausanne (Switzerland)

### **Education:**

- November 2011-November 2014: PhD in "Scienze Infettivologiche" University "Sapienza" of Rome (topic: multi-drug resistant bacteria)
- 27-28/03/2014: ESCMID Postgraduate Education Course "Bloodstream Infections: Management and Research" in Seville (ES)
- 16/11/2013: ESCMID Postgraduate Education Course "Antibiotic Awareness, Quality Prescribing & Infection Control in Clinical Practice" in Tübingen (GE)
- March-December 2012: Master "Sepsi in Chirurgia"
- June 2012: course "Resal Reseau des animaleries lemanique" (FELASA B category course) at Unil (Universite de Lausanne)
- 15/04-25/04/2012: Infectious Diseases Department-Septic Surgery CHUV (Centre Hospitalier Universitaire Vaudois), Lausanne (Switzerland), Observership program in collaboration with ESCMID (European Society of Clinical Microbiology and Infectious Diseases)
- July 2011: Specialization in Infectious and Tropical Diseases, Sapienza University of Rome
- 2007-2011: Residency in Infectious and Tropical Diseases, Sapienza University of Rome
- September 2006: Degree in Medicine and Surgery, Sapienza University of Rome
- 2005-2007: Fellowship at Policlinico Umberto I di Roma - Department of Infectious Diseases Sapienza University of Rome- Viale del Policlinico 155, Roma
- August 2005: Fellowship at Infectious Diseases Department, ClujNapoca (Romania), in collaboration with Sapienza University of Rome
- August 2004: Fellowship at Internal Medicine Department, Olomouc (Repubblica Ceca), in collaboration with Sapienza University of Rome

- February-October 2004: Fellowship at Gastroenterology at Policlinico Umberto I, Sapienza University of Rome
- September 2003: Internal Medicine Azienda Ospedaliera S. Camillo-Forlanini, Roma

### **Advanced courses**

- SITA CAMPUS: Formazione avanzata in terapia antifettiva, effettuato nelle seguenti date: 07-09/03/2018, 13-15/06/2018, 07-09/11/2018 in Milano.
- VI Residential Course “Statistica per economia, scienze sociali, epidemiologia clinica e sanità pubblica”, tenutosi a Firenze, 09-14/09/2018
- GCP Investigator Training Program Workshop, presso Policlinico Umberto I Sapienza Università di Roma, 18/02/2019
- GCP Investigator Training Program, 23/02/2021
- May-October 2021 Corso di Alta Formazione “L’ecografia nelle urgenze e nel trauma: E-FAST-CRASH”, Sapienza Università di Roma

### **Academic and Tutoring Activity**

- January 2018-December 2020: Young Ambassador of the American Society of Microbiology for Italy.
- Lead Guest Editor of the Special Issue entitled “New insights into infections due to multi-drug resistant (MDR) Gram negative bacteria (GNB): the interplay between lab and clinic” in Biomed Research International.
- October 2018-now: teaching activity at the Medicine degree course “Infectious Diseases”
- March 2019-now: teaching activity at Physiotherapy degree course (Infectious Diseases), Pozzilli (IS)
- 2013- now: teaching activity in the Medicine degree course “Patologia Integrata V” and “Medicina e Chirurgia I”
- 2016-2018: Teaching activities at Policlinico Umberto I, Sapienza University of Rome regarding “Antibiotic prophylaxis in surgery”
- Rapporteur in several Degree theses in Infectious Diseases
- Co-rapporteur in several graduation (Infectious Diseases, Biotechnology) and specialization (Infectious Diseases, Internal Medicine, Gerontology) theses
- Member of the Evaluation Committee “InfectionLab Under 40. Giovani Infettivologi a confronto. Final Contest.”. Milan, 04-05 October 2018.
- Member of the Evaluation Committee “InfectionLab Under 40. Giovani Infettivologi a confronto. Final Contest.”. Bologna, 02-03 October 2017.
- Member of the Evaluation Committee “InfectionLab Under 40. Giovani Infettivologi a confronto. Final Contest.”. Rome, 29-30 September 2016.
- 18/09/2021-now: Associate Editor *Frontiers in Cellular and Infection Microbiology* – Section Clinical Microbiology
- 2020: Reviewer of “Junior Research Groups in Infection Research” (recognized by BMBF, German Ministry of Education and Research)
- 2020: Topic Editor of the Research Topic entitled “Enterobacteriaceae Antimicrobial Agents and Resistance: Relationship with the Therapeutic Approach” in *Frontiers in Cellular and Infection Microbiology* – Section Clinical Microbiology
- 2018- 2021: tutoring activity of a PhD student for the Phd in Infectious Diseases “Dottorato in Malattie Infettive, Microbiologia e Sanità Pubblica (XXXIV ciclo), Sapienza Università di Roma

### **Research Grants and Awards:**

- 2019: Research grant from Sapienza University of Rome (“Progetto di Ateneo”) with the project “Role of microbial translocation, inflammation and intestinal damage in the

- development of nosocomial bloodstream infections following *Clostridium difficile* infection”
- 2014: Research grant from Sapienza University of Rome (“Avvio alla Ricerca”) with the project: “Study of synergic activity of different antimicrobial combinations against carbapenem-resistant *Klebsiella pneumoniae* isolated from patients with sepsis or systemic infections”
  - 2013: Research grant from Sapienza University of Rome (“Avvio alla Ricerca”) with the project: “Implant-associated infections: role of sonication in the microbiological diagnosis and in vitro study of antimicrobial activity against biofilm-embedded microorganisms.”
  - 2008: Award HERACLES 2008 with the work: “Sviluppo di Sarcoma di Kaposi come manifestazione di sindrome da immunoricostruzione (iris) dopo inizio precoce di terapia antiretrovirale” at SIMIT conference 2008.
  - 2021: Selected for publication on the volume “PALADINI ITALIANI DELLA SALUTE” for the research entitled “DETERMINANTS OF PROLONGED VIRAL RNA SHEDDING IN PATIENTS WITH COVID-19”
  - January 2018-December 2020: Young Ambassador for Italy for the American Society of Microbiology
  - 23/10/2019: Award (2<sup>nd</sup> classified) at the project “SHARE (Sharing Hospital Anti-Infective Real-life Experiences)” with the research entitled: “Follow up blood cultures in Gram-negative bacilli bacteremia: are they needed for critically ill patients?”

***Achievement of the National Scientific Qualification (Abilitazione Scientifica Nazionale) of Associate Professor SSD (Settore Scientifico Disciplinare) 06/D4 MALATTIE CUTANEE, MALATTIE INFETTIVE E MALATTIE DELL'APPARATO DIGERENTE, valid from 14/01/2020 to 14/01/2029***

**Number of citations 1628; H-index 23 (Scopus), updated on 17th October 2022**

***Publications on peer-reviewed journals:***

1. Oliva A, Curtolo A, Volpicelli L, Cancelli F, Borrazzo C, Cogliati Dezza F, Marcelli G, Gavaruzzi F, Di Bari S, Ricci P, Turriziani O, Mastroianni CM, Venditti M. Clinical course of Coronavirus Disease-19 in patients with haematological malignancies is characterized by a longer time to respiratory deterioration compared to non-haematological ones: results from a case-control study. *Infection*. 2022 Oct;50(5):1383. doi: 10.1007/s15010-022-01892-x.
2. Cogliati Dezza F, Arcari G, Alessi F, Valeri S, Curtolo A, Sacco F, Ceccarelli G, Raponi G, Alessandri F, Mastroianni CM, Venditti M, Oliva A. Clinical Impact of COVID-19 on Multi-Drug-Resistant Gram-Negative Bacilli Bloodstream Infections in an Intensive Care Unit Setting: Two Pandemics Compared. *Antibiotics (Basel)*. 2022 Jul 9;11(7):926. doi: 10.3390/antibiotics11070926. PMID: 35884179; PMCID: PMC9312122.
3. Di Domenico EG, Oliva A, Gueembe M. The Current Knowledge on the Pathogenesis of Tissue and Medical Device-Related Biofilm Infections. *Microorganisms*. 2022 Jun 21;10(7):1259. doi: 10.3390/microorganisms10071259. PMID: 35888978; PMCID: PMC9322301.
4. Sacco F, Raponi G, Oliva A, Bibbolino G, Mauro V, Di Lella FM, Volpicelli L, Antonelli G, Venditti M, Carattoli A, Arcari A. An outbreak sustained by ST15 *Klebsiella pneumoniae* carrying 16S rRNA methyltransferases and bla<sub>NDM</sub>: evaluation of the global dissemination of these resistance determinants. Accepted on *International Journal of Antimicrobial Agents*.
5. Pellicano C, Campagna R, Oliva A, Leodori G, Miglionico M, Colalillo A, Mezzaroma I, Mastroianni CM, Turriziani O, Rosato E. Antibody response to BNT162b2 SARS-CoV-2 mRNA vaccine in adult patients with systemic sclerosis. *Clin Rheumatol*. 2022 May 26:1–9.

- doi: 10.1007/s10067-022-06219-7. Epub ahead of print. PMID: 35614287; PMCID: PMC9132599.
6. Savelloni G, Gatto MC, Cancelli F, Barbetti A, Cogliati Dezza F, Franchi C, Carnevalini M, Galardo G, Bucci T, Alessandrini M, Pugliese F, Mastroianni CM, Oliva A. Prognostic Value of 12-Leads Electrocardiogram at Emergency Department in Hospitalized Patients with Coronavirus Disease-19. *J Clin Med*. 2022 Apr 30;11(9):2537. doi: 10.3390/jcm11092537. PMID: 35566664; PMCID: PMC9100038.
  7. Oliva A, Cancelli F, Brogi A, Curtolo A, Savelloni G, Siccardi G, Marcelli G, Mazzuti L, Ricci P, Turriziani O, Antonelli G, Venditti M, Mastroianni CM. Convalescent plasma for haematological patients with SARS-CoV-2 pneumonia and severe depletion of B-cell lymphocytes following anti-CD20 therapy: a single-centre experience and review of the literature. *New Microbiol*. 2022 Jan;45(1):62-72. Epub 2021 Dec 11. PMID: 35403848. IF: 2.479
  8. Violi F, Pignatelli P, Vestri A, Spagnoli A, Cipollone F, Ceccarelli G, Oliva A, Amitrano M, Pirro M, Taliani G, Cangemi R, Lichtner M, Pugliese F, Falcone M, Venditti M, Mastroianni CM, Loffredo L. THE ADA (AGE-D-DIMER-ALBUMIN) SCORE TO PREDICT THROMBOSIS IN SARS-CoV-2. *Thromb Haemost*. 2022 Mar 4. doi: 10.1055/a-1788-7592. Epub ahead of print. PMID: 35253143. IF:5.249
  9. Nicolardi ML, Oliva A, Masci GM, Ascoli V, Noccioli N, Mantovani S, Palange P. Lung on fire: a very severe case of fire-eater's lung. *Thorax*. 2022 Feb 14;thoraxjnl-2021-218470. doi: 10.1136/thoraxjnl-2021-218470. Epub ahead of print. PMID: 35165145. IF: 9.139
  10. De Angelis M, Mascellino MT, Miele MC, Al Ismail D, Colone M, Stringaro A, Vullo V, Venditti M, Mastroianni CM, Oliva A. High Activity of N-Acetylcysteine in Combination with Beta-Lactams against Carbapenem-Resistant *Klebsiella pneumoniae* and *Acinetobacter baumannii*. *Antibiotics (Basel)*. 2022 Feb 10;11(2):225. doi: 10.3390/antibiotics11020225. PMID: 35203827; PMCID: PMC8868344. IF: 4.639
  11. Tumbarello M, Raffaelli F, Cascio A, Falcone M, Signorini L, Mussini C, De Rosa FG, Losito AR, De Pascale G, Pascale R, Giacobbe DR, Oliva A, Farese A, Morelli P, Tiseo G, Meschiari M, Del Giacomo P, Montagnani F, Fabbiani M, Vargas J, Spanu T, Bassetti M, Venditti M, Viale P. Compassionate use of meropenem/vaborbactam for infections caused by KPC-producing *Klebsiella pneumoniae*: a multicentre study. *JAC Antimicrob Resist*. 2022 Mar 7;4(1):dlac022. doi: 10.1093/jacamr/dlac022. PMID: 35265842; PMCID: PMC8900192.
  12. Volpicelli L, Venditti M, Ceccarelli G, Oliva A. Place in Therapy of the Newly Available Armamentarium for Multi-Drug-Resistant Gram-Negative Pathogens: Proposal of a Prescription Algorithm. *Antibiotics (Basel)*. 2021 Nov 30;10(12):1475. doi: 10.3390/antibiotics10121475. PMID: 34943687; PMCID: PMC8698671. IF: 4.639
  13. Arcari G, Oliva A, Sacco F, Di Lella FM, Raponi G, Tomolillo D, Curtolo A, Venditti M, Carattoli A. Interplay between *Klebsiella pneumoniae* producing KPC-31 and KPC-3 under treatment with high dosage meropenem: a case report. *Eur J Clin Microbiol Infect Dis*. 2022 Jan 6:1–6. doi: 10.1007/s10096-021-04388-y. Epub ahead of print. PMID: 34988712; PMCID: PMC8731190. 3.267
  14. Violi F, Pignatelli P, Oliva A, Cammisotto V. Reply to Chen and Vitetta. *Clin Transl Gastroenterol*. 2022 Jan 13. doi: 10.14309/ctg.0000000000000448. Epub ahead of print. PMID: 35029168. IF: 4.488
  15. Tomao P, La Russa R, Oliva A, De Angelis M, Mansi A, Paba E, Marcelloni AM, Chiominto A, Padovano M, Maiese A, Scopetti M, Frati P, Fineschi V. Mapping Biological Risks Related to Necropsy Activities: Old Concerns and Novel Issues for the Safety of Health Professionals. *Int J Environ Res Public Health*. 2021 Nov 13;18(22):11947. doi: 10.3390/ijerph182211947. PMID: 34831702; PMCID: PMC8618163. IF:3.390
  16. Oliva A, Miele MC, Al Ismail D, Di Timoteo F, De Angelis M, Rosa L, Cutone A, Venditti M, Mascellino MT, Valenti P, Mastroianni CM. Challenges in the Microbiological Diagnosis of Implant-Associated Infections: A Summary of the Current Knowledge. *Front Microbiol*. 2021 Oct 29;12:750460. doi: 10.3389/fmicb.2021.750460. PMID: 34777301; PMCID: PMC8586543. IF: 5.640

17. Cangemi R, Calvieri C, Falcone M, Cipollone F, Ceccarelli G, Pignatelli P, D'Ardes D, Pirro M, Alessandri F, Lichtner M, D'Ettorre G, Oliva A, Aronica R, Rocco M, Venditti M, Romiti GF, Tiseo G, Taliani G, Menichetti F, Pugliese F, Mastroianni CM, Violi F. Comparison of thrombotic events and mortality in patients with community-acquired pneumonia and COVID-19: a multicentre observational study. *Thromb Haemost*. 2021 Nov 10. doi: 10.1055/a-1692-9939. Epub ahead of print. PMID: 34758488. IF:5.249
18. Loffredo L, Fallarino A, Paranimfi A, Pacella F, Pacella E, Oliva A, Violi F. Different rates of conjunctivitis in COVID-19 eastern and western hospitalized patients: a meta-analysis. *Intern Emerg Med*. 2021 Nov 9. doi: 10.1007/s11739-021-02880-z. Epub ahead of print. PMID: 34750658. IF: 3.397
19. Oliva A, Stefani S, Venditti M, Di Domenico EG. Biofilm-Related Infections in Gram-Positive Bacteria and the Potential Role of the Long-Acting Agent Dalbavancin. *Front Microbiol*. 2021 Oct 22;12:749685. doi: 10.3389/fmicb.2021.749685. PMID: 34745053; PMCID: PMC8569946. IF: 5.640
20. Mascellino MT, Biswas S, Oliva A. Editorial: Enterobacteriaceae Antimicrobial Agents and Resistance: Relationship With the Therapeutic Approach. *Front Cell Infect Microbiol*. 2021 Sep 14;11:728371. doi: 10.3389/fcimb.2021.728371. PMID: 34595135; PMCID: PMC8476830.
21. Oliva A, Rando E, Al Ismail D, De Angelis M, Cancelli F, Miele MC, Aronica R, Mauro V, Di Timoteo F, Loffredo L, Mastroianni CM. Role of Serum E-Selectin as a Biomarker of Infection Severity in Coronavirus Disease 2019. *J Clin Med*. 2021 Sep 6;10(17):4018. doi: 10.3390/jcm10174018. PMID: 34501466; PMCID: PMC8432564.
22. Alessandra Oliva, Cristian Borrazzo, Maria Teresa Mascellino, Ambrogio Curtolo, Dania Al Ismail, Francesca Cancelli, Gioacchino Galardo, Tommaso Bucci, Giancarlo Ceccarelli, Gabriella d'Ettorre, Francesco Pugliese, Claudio M. Mastroianni, Mario Venditti. CURB-65 plus hypoalbuminemia: a new score system for prediction of the in-hospital mortality risk in patients with SARS-CoV-2 pneumonia. *Le Infezioni in Medicina* n. 3, 408-415, 2021
23. Oliva A, Miele MC, Di Timoteo F, De Angelis M, Mauro V, Aronica R, Al Ismail D, Ceccarelli G, Pinacchio C, d'Ettorre G, Mascellino MT, Mastroianni CM. Persistent Systemic Microbial Translocation and Intestinal Damage During Coronavirus Disease-19. *Front Immunol*. 2021 Jul 14;12:708149. doi: 10.3389/fimmu.2021.708149. PMID: 34335624; PMCID: PMC8316921.
24. Mascellino MT, Di Timoteo F, De Angelis M, Oliva A. Overview of the Main Anti-SARS-CoV-2 Vaccines: Mechanism of Action, Efficacy and Safety. *Infect Drug Resist*. 2021 Aug 31;14:3459-3476. doi: 10.2147/IDR.S315727. PMID: 34511939; PMCID: PMC8418359.
25. Loffredo L, Oliva A, Paranimfi A, Ceccarelli G, Orlando F, Ciacci P, Pacella F, Pacella E, Bari SD, Filippi V, Cruciata A, Mastroianni CM, Violi F. An observed association between conjunctivitis and severity of COVID-19. *J Infect*. 2021 Jun 9:S0163-4453(21)00286-3. doi: 10.1016/j.jinf.2021.06.006. Epub ahead of print. PMID: 34118275.
26. Violi F, Ceccarelli G, Cangemi R, Cipollone F, D'Ardes D, Oliva A, Pirro M, Rocco M, Alessandri F, D'Ettorre G, Lichtner M, Pignatelli P, Ferro D, Ruberto F, Lip GYH, Pugliese F, Mastroianni CM; Intensive Care, Infectious Diseases COVID-19 Study Group of Sapienza University. Arterial and venous thrombosis in coronavirus 2019 disease (Covid-19): relationship with mortality. *Intern Emerg Med*. 2021 Aug;16(5):1231-1237. doi: 10.1007/s11739-020-02621-8. Epub 2021 Jul 4. PMID: 34218413; PMCID: PMC8255055.
27. Oliva A, Curtolo A, Volpicelli L, Cogliati Dezza F, De Angelis M, Cairoli S, Dell'Utri D, Goffredo BM, Raponi G, Venditti M. Synergistic Meropenem/Vaborbactam Plus Fosfomycin Treatment of KPC Producing *K. pneumoniae* Septic Thrombosis Unresponsive to Ceftazidime/Avibactam: From the Bench to the Bedside. *Antibiotics (Basel)*. 2021 Jun 27;10(7):781. doi: 10.3390/antibiotics10070781. PMID: 34199072.
28. Russo A, Gavaruzzi F, Ceccarelli G, Borrazzo C, Oliva A, Alessandri F, Magnanimiti E, Pugliese F, Venditti M. Multidrug-resistant *Acinetobacter baumannii* infections in COVID-19 patients hospitalized in intensive care unit. *Infection*. 2021 Jun 27:1-10. doi: 10.1007/s15010-021-01643-4. Online ahead of print. PMID: 34176088
29. Aprile F, Bruno G, Palma R, Mascellino MT, Panetta C, Scalese G, Oliva A, Severi C, Pontone S. Microbiota Alterations in Precancerous Colon Lesions: A Systematic Review.

- Cancers (Basel). 2021 Jun 19;13(12):3061. doi: 10.3390/cancers13123061. PMID: 34205378.
30. Violi F, Ceccarelli G, Cangemi R, Cipollone F, D'Ardes D, Oliva A, Pirro M, Rocco M, Alessandri F, D'Ettore G, Lichtner M, Pignatelli P, Ferro D, Ruberto F, Lip GYH, Pugliese F, Mastroianni CM; Intensive Care, Infectious Diseases COVID-19 Study Group of Sapienza University. Arterial and venous thrombosis in coronavirus 2019 disease (Covid-19): relationship with mortality. *Intern Emerg Med*. 2021 Jul 4:1-7. doi: 10.1007/s11739-020-02621-8. Online ahead of print. PMID: 34218413
  31. Maselli R, Oliva A, Badalamenti M, Galtieri PA, Belletrutti PJ, Spadaccini M, Nicoletti R, Finati E, Vetrano S, Fosso F, Correale C, Pellegatta G, Hassan C, Repici A. Single-dose versus short-course prophylactic antibiotics for peroral endoscopic myotomy: a randomized controlled trial. *Gastrointest Endosc*. 2021 Jun 10;S0016-5107(21)01418-8. doi: 10.1016/j.gie.2021.05.045. Online ahead of print.
  32. Oliva A, Cammisotto V, Cangemi R, Ferro D, Miele MC, De Angelis M, Cancelli F, Pignatelli P, Venditti M, Pugliese F, Mastroianni CM, Violi F. Low-Grade Endotoxemia and Thrombosis in COVID-19. *Clin Transl Gastroenterol*. 2021 Jun 4;12(6):e00348. doi: 10.14309/ctg.0000000000000348.
  33. Oliva A, Ceccarelli G, Borrazzo C, Ridolfi M, D'Ettore G, Alessandri F, Ruberto F, Pugliese F, Raponi GM, Russo A, Falletta A, Mastroianni CM, Venditti M. Comparison of clinical features and outcomes in COVID-19 and influenza pneumonia patients requiring intensive care unit admission. *Infection*. 2021 May 26:1-11. doi: 10.1007/s15010-021-01624-7.
  34. Oliva A, Savelloni G, Cancelli F, Valeri S, Mauro V, Aronica R, Romani F, Mastroianni CM. Real-life experience on the use of ceftobiprole for the treatment of nosocomial pneumonia: a case series. *J Glob Antimicrob Resist*. 2021 May 21;S2213-7165(21)00116-8. doi: 10.1016/j.jgar.2021.04.016
  35. Oliva A, Franchi C, Gatto MC, Galardo G, Pugliese F, Mastroianni CM. Prevalence and clinical significance of relative bradycardia at hospital admission in patients with Coronavirus Disease 2019 (COVID-19). *Clin Microbiol Infect*. 2021 Apr 23;S1198-743X(21)00196-8. doi: 10.1016/j.cmi.2021.04.013. Online ahead of print.
  36. Bibbolino G, Di Lella FM, Oliva A, Lichtner M, Del Borgo C, Raponi GM, Trancassini M, Mengoni F, Arcari G, Antonelli G, Carattoli A. Molecular Epidemiology of Escherichia coli producing NDM-5 in two Italian Hospitals in the 2017-2019 study period. *Diagnostic Microbiology & Infectious Disease*. 2021 Apr 20;100(4):115399. doi: 10.1016/j.diagmicrobio.2021.115399
  37. Oliva A, Bianchi A, Russo A, Ceccarelli G, Cancelli F, Aloj F, Alunni Fegatelli D, Mastroianni CM, Venditti M. Effect of N-Acetylcysteine Administration on 30-Day Mortality in Critically Ill Patients with Septic Shock Caused by Carbapenem-Resistant Klebsiella pneumoniae and Acinetobacter baumannii: A Retrospective Case-Control Study. *Antibiotics (Basel)*. 2021 Mar 8;10(3):271. doi: 10.3390/antibiotics10030271.
  38. Granata G, Petrosillo N, Adamoli L, Bartoletti M, Bartoloni A, Basile G, Bassetti M, Bonfanti P, Borromeo R, Ceccarelli G, De Luca AM, Di Bella S, Fossati S, Franceschini E, Gentile I, Giacobbe DR, Giacometti E, Ingrassia F, Lagi F, Lobreglio G, Lombardi A, Lupo LI, Luzzati R, Maraolo AE, Mikulska M, Mondelli MU, Mularoni A, Mussini C, Oliva A, Pandolfo A, Rogati C, Trapani FF, Venditti M, Viale P, Caraffa E, Cataldo MA, On Behalf Of The ReCloDi Recurrence Of Clostridioides Difficile Infection Study Group. Prospective Study on Incidence, Risk Factors and Outcome of Recurrent Clostridioides difficile Infections. *J Clin Med*. 2021 Mar 8;10(5):1127. doi: 10.3390/jcm10051127.
  39. Ceccarelli G, Alessandri F, Oliva A, Borrazzo C, Dell'Isola S, Ialungo AM, Rastrelli E, Pelli M, Raponi G, Turriziani O, Ruberto F, Rocco M, Pugliese F, Russo A, d'Ettore G, Venditti M. The role of teicoplanin in the treatment of SARS-CoV-2 infection: A retrospective study in critically ill COVID-19 patients (Tei-COVID study). *J Med Virol*. 2021 Mar 6. doi: 10.1002/jmv.26925.
  40. Maria Grazia Porpora, Lucia Merlino, Luisa Masciullo, Rossella D'Alisa, Gabriella Brandolino, Cecilia Galli, Casimiro De Luca, Francesco Pecorini, Giovanni Battista Fonsi, Andrea Mingoli, Cristiana Franchi, Alessandra Oliva, Lucia Manganaro, Claudio Maria Mastroianni, Maria Grazia Piccioni. Does Lung Ultrasound Have a Role in the Clinical Management of Pregnant

- Women with SARS COV2 Infection? Int J Environ Res Public Health. 2021 Mar 9;18(5):2762. doi: 10.3390/ijerph18052762.
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#### **Book chapters:**

- Mastroianni C.M., Oliva A, Vullo V. Endocarditi e miocarditi infettive. Manuale di Malattie Infettive. Capitolo 14.
- "Medical Device Pre- and post- implant testing" (Epidemiologic and Infection Control Microbiology section, Section 13) in CLINICAL MICROBIOLOGY PROCEDURES HANDBOOK, Fourth Edition (CMPH4)
- "Pre-endoscopy screening of *Helicobacter pylori* infection: Implication and advantages" in Endoscopy of GI tract, March 2013.

#### **Invited Speaker at international conferences**

- POST-ECCMID Meeting organized by PharmaAdvance, 07/06/2022;
- Workshop on Prosthetic Joint Infection (Berlin) 18-19 March 2019 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 5-6 March 2015 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 1-2 June 2015 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 22-23 March 2016 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 5-6 June 2016 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 10-11 October 2015 organized by Prof. A. Trampuz.
- Workshop on Prosthetic Joint Infection (Berlin) 24-25 November 2015 organized by Prof. A. Trampuz.

- MEETING OF ESCMID STUDY GROUP FOR BIOFILMS (ESGB) Biofilm - based Healthcare - associated Infections: From Microbiology to Clinics. IRCCS Fondazione Santa Lucia

**Activity as reviewer:**

- Microbial Drug Resistance
- Infection
- Journal of Antimicrobial Chemotherapy
- Expert Review of Anti-infective Therapy
- Journal of Global Antimicrobial Resistance
- Diagnostic Microbiology and Infectious Diseases
- Infection and Drug Resistance

**Member of:**

- Italian Society of Infectious and Tropical Diseases (SIMIT)
- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- American Society of Microbiology (ASM)
- British Society for Antimicrobial Chemotherapy (BSAC)
- Società Italiana di Terapia Antibiotica (SITA)

**Other:**

- Participation at different research studies at Policlinico Umberto I Sapienza University of Rome.
- Participation at the research project INAIL BRIC\_06 (Infectious Diseases Section): "Valutazione e gestione del rischio biologico, fisico e chimico in sede di sopralluogo giudiziario, e nelle attività necroscopiche ed obitoriali".
- Participation at the research project "Risk of Microbial Translocation in patients undergoing Per-Oral Endoscopic Myotomy (POEM) for Achalasia: Antibiotic Prophylaxis or Short-therapy?" Humanitas Research Hospital Milano
- Project "Infections Following NeuroSurgery (INS)": Clinical and Microbiological Analyses of Infections Following NeuroSurgery: a Retrospective, Single-center Study (ClinicalTrials.gov ID: NCT03857295)
- Author of several abstracts presented at international conferences

Rome, October 17th 2022

