

# CURRICULUM VITAE

## LAURA FOLGORI, M.D.

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**Date and place of birth:** 19/03/1982 - Rome

**Nationality:** Italian

### **OTHER LANGUAGES**

English CEFR Level : **C1**

- Cambridge CAE (Certificate in Advanced English)
- IELTS Overall Band Score **7.5**

### **PROFESSIONAL PROFILE**

Medical Doctor (M.D.), Specialist in Paediatrics.

I am currently working as a Paediatrician in the *Department of Paediatrics, V. Buzzi Children's Hospital* in Milan.

My research interests are in paediatric infectious diseases, with particular focus on antimicrobial resistance, especially in the neonatal population, and optimal designing of antibiotics clinical trials in children.

Between 2015 and 2018, I worked as a Clinical Research Fellow in the *Paediatric Infectious Diseases Research Group* at *St. George's University of London (SGUL)* with a leading role in the design, coordination and development of various research projects in the field of paediatric infectious diseases.

Prior to my position at SGUL, I completed my medical training in Rome at *University of Rome Tor Vergata*. During my medical training and my Residency in Paediatrics, I worked for eight years in the *Immunology and Infectious Diseases Unit* at *Bambino Gesù Children's Hospital*, where I had the opportunity to attend several departments and different paediatric specialties, and deal with children affected by various medical complexities, congenital diseases, and underwent a broad range of procedures. I have been largely involved in the *Clinical Trial Centre* activities, participating in the design and conducting of paediatric clinical trials.

### **WORKING EXPERIENCES**

- *Mar 2020-present* - Paediatrician (Paediatric Infectious Diseases, General Paediatrics, Emergency Department), *Vittore Buzzi Children's Hospital*, Milan, Italy
- *Sep 2018-March 2020* - Paediatrician (Paediatric Infectious Diseases, General Paediatrics, Neonatology, Delivery Room, Emergency Department), *Luigi Sacco Hospital*, Milan, Italy
- *Sep 2015-Aug 2018* - Clinical Research Fellow, Paediatric Infectious Disease Research Group, Division of Clinical Sciences, *St George's University of London*, UK
- *Mar-Sep 2014* - Research internship, Paediatric Infectious Disease Research Group, Division of Clinical Sciences, *St George's University of London*, UK (6 months)  
*Project: "Systematic review of clinical trials of antibiotic efficacy in children and neonates"*
- *Jul-Dec 2011* - Clinical and research observership, Paediatric Infectious Diseases Department, *St George's Healthcare NHS Trust*, London, UK (6 months)  
*Project: "A systematic review of criteria for neonatal hospital-acquired bloodstream infections"*

- 2008-2009 - Scientific Researcher, Neonatology Department and Neonatal Intensive Care Unit, "San Giovanni Calibita" Fatebenefratelli Hospital, Rome, Italy (18 months)  
*Project: "Evaluation of clinical and bacteriological effects resulting from the use of a formula enriched with bifidobacteria in neonates born by caesarean section"*

### **EDUCATION AND TRAINING**

- 2010-2015 - Residency in Paediatrics, certified with 50/50 *cum laude*, Bambino Gesù Children's Hospital, University of Rome "Tor Vergata", Rome, Italy (awarded on 27<sup>th</sup> May 2015)

#### Attended paediatric departments:

- |                                 |                                  |
|---------------------------------|----------------------------------|
| - Accident and Emergency (A&E)  | - Neurology                      |
| - Immunology                    | - Cardiology                     |
| - Infectious Diseases           | - Nephrology                     |
| - Endocrinology and Diabetology | - Neonatology                    |
| - Allergology                   | - Haematology/Oncology           |
| - Gastroenterology              | - Paediatric Intensive Care Unit |

- 2008 - Unrestricted licence to practice medicine in Italy - OMCEO of Rome, reference number: 56568 – (awarded on 8<sup>th</sup> April 2008)
- 2001-2007 - Degree in Medicine (M.D.), graduated with 110/110 *cum laude*, University of Rome Tor Vergata, Rome, Italy (awarded on 23<sup>rd</sup> October 2007)

### **PROFESSIONAL SOCIETY MEMBERSHIP**

- 2012-present  
European Society of Paediatric Infectious Diseases (ESPID)
- 2012-present  
European Society of Clinical Microbiology and Infectious Diseases (ESCMID)

### **PRIZES AND AWARDS OBTAINED**

- NIHR CLAHRC South London PhD/MD fee support award 2017
- ESPID Small Grant Award 2023

### **RELEVANT COURSES ATTENDED**

- 2019 – "Infezione da HIV e Malattie Sessualmente Trasmesse: nuove considerazioni e ultime conoscenze" ("HIV Infection and Sexually Transmitted Diseases: new considerations and updates") – Regione Lombardia, Milan, Italy
- 2019 - "Good Clinical Practice (GCP)" certificate, "Minimum Criteria for ICH E6 R2 GCP Investigator Site Personnel Training", TransCelerate BioPharma

- 2019 - “Training for the handling/offering for transportation of dangerous goods for the shipping of Category A, Infectious Substance Affecting Humans, and Category B, Biological Substance”, Tested as per 49CFR 172.700/IATA 1.5, Mayo Clinic Laboratories, US
- 2016 - “Introduction to R for Statistical Analysis”, UCL Institute of Child Health, London, UK
- 2015 - “An introduction to Stata and data management”, Cass Business School, London, UK
- 2014 - “Infection and Immunity in Children (IIC)”, Keble College, Oxford, UK
- 2012 - “Essentials in Biostatistic for Clinical Research” certificate, International Foundation Fatebenefratelli, Rome, Italy
- 2012 - “Advanced PubMed Resources training Course” certificate, “Mario Negri” Institute for Pharmacological Research, Milan, Italy
- “Pediatric Basic Life Support (PBLs)” certificate, Italian Society of Pediatric Emergency Medicine (SIMEUP), Rome, Italy
- “Basic life support defibrillation (BLSD)” certificate, American Heart Association

## **RESEARCH AND PUBLICATIONS**

**Editorial Board** member for: Journal of Pediatric Infectious Diseases; PLoS One; Antibiotics (MDPI)

### **Presentations as invited speaker:**

- “Monoclonal antibodies in Paediatric Infectious Diseases”. La Pediatria nella Pratica Clinica – dodicesima edizione, Milan, Italy, 2-4 February 2023
- “Antibiotics and antimicrobial resistance in children”. Update on Antimicrobial Resistance. Milan, Italy, 13<sup>th</sup> December 2022
- “Role of the Whole Genome Sequencing in neonatal sepsis: impact of virulence/resistance genes and risk-adjusted stratification for antibiotic treatment”. Challenges with multidrug-resistant organisms: the importance of a rapid diagnosis and personalized pharmacological treatment. Bambino Gesù Children’s Hospital. Rome, Italy, 30<sup>th</sup> September 2022
- “Carbapenem-Resistant Enterobacteriaceae in neonates & children: what do we need to know?” XVI Jornadas Nacionais de Infeciologia Pediátrica. Braga, Portugal, 30<sup>th</sup> May-1st June 2019
- “Enpr-EMA paediatric antibiotic working group”. 2017 annual workshop of the European network of paediatric research at the EMA (Enpr-EMA). European Medicines Agency. London, UK, 16<sup>th</sup> May 2017
- “NeoAMR Prospective observational cohort study”. Global Antimicrobial Resistance, Prescribing and Efficacy in Neonates and Children (GARPEC) Meeting, Shenzhen, China, 19-21 October 2016

### **Publications (H-index: 15):**

- Morreale C, Giaroni C, Baj A, **Folgori L**, Barcellini L, Dhimi A, Agosti M, Bresesti I. Effects of Perinatal Antibiotic Exposure and Neonatal Gut Microbiota. *Antibiotics (Basel)*. 2023 Jan 28;12(2):258.
- Barcellini L, Ricci G, Bresesti I, Piazza A, Comandatore F, Sharland M, Zuccotti GV, **Folgori L**. The Role of Virulence Factors in Neonatal Sepsis Caused by Enterobacterales: A Systematic Review. *Int J Mol Sci*. 2022 Oct 8;23(19):11930.

- **Folgori L**, Di Carlo D, Comandatore F, Piazza A, Witney AA, Bresesti I, Hsia Y, Laing K, Monahan I, Bielicki J, Alvaro A, Zuccotti GV, Planche T, Heath PT, Sharland M. Antibiotic Susceptibility, Virulome, and Clinical Outcomes in European Infants with Bloodstream Infections Caused by Enterobacterales. *Antibiotics (Basel)*. 2021 Jun 11;10(6):706.
- Barcellini L, Amendola A, Tanzi E, **Folgori L**, Bianchi S, Gori M, Colzani D, Longoni E, Zuccotti GV. Agreement between two commercially available SARS-CoV-2 serologic tests among Italian healthcare workers. *Epidemiol Prev*. 2021 Jan-Apr;45(1-2):5-6.
- Amendola A, Bianchi S, Gori M, Barcellini L, Colzani D, Canuti M, Giacomet V, Fabiano V, **Folgori L**, Zuccotti GV, Tanzi E. Dried Blood Spot as an Alternative to Plasma/Serum for SARS-CoV-2 IgG Detection, an Opportunity to Be Sized to Facilitate COVID-19 Surveillance Among Schoolchildren. *Pediatr Infect Dis J*. 2021 Jan;40(1):e46-e47.
- Vazouras K, Hsia Y, **Folgori L**, Bielicki J, Aguadisch E, Bamford A, Brett A, Caseris M, Cerkauskiene R, De Luca M, Iosifidis E, Kopsidas J, Manzanares Á, Planche T, Riordan A, Srovin TP, Valdivielso Martínez AI, Vergadi E, Sharland M, Basmaci R. Treatment and Outcomes of Children With Febrile Urinary Tract Infection Due to Extended Spectrum Beta-lactamase-producing Bacteria in Europe: TOO CUTE Study. *Pediatr Infect Dis J*. 2020 Dec;39(12):1081-1087.
- Giacomet V, Barcellini L, Stracuzzi M, Longoni E, **Folgori L**, Leone A, Zuccotti GV; COVID-19 Pediatric network. Gastrointestinal Symptoms in Severe COVID-19 Children. *Pediatr Infect Dis J*. 2020 Oct;39(10):e317-e320.
- Amendola A, Tanzi E, **Folgori L**, Barcellini L, Bianchi S, Gori M, Cammi G, Albani E, Zuccotti GV. Low seroprevalence of SARS-CoV-2 infection among healthcare workers of the largest children hospital in Milan during the pandemic wave. *Infect Control Hosp Epidemiol*. 2020 Dec;41(12):1468-1469.
- Bresesti I, **Folgori L**, De Bartolo P. Interventions to reduce occupational stress and burn out within neonatal intensive care units: a systematic review. *Occup Environ Med*. 2020 Mar 4. pii: oemed-2019-106256.
- Sartorio MUA, **Folgori L**, Zuccotti G, Mameli C. Rotavirus vaccines in clinical development: Current pipeline and state-of-the-art. *Pediatr Allergy Immunol*. 2020 Feb;31 Suppl 24:58-60.
- **Folgori L**, Lutsar I, Standing JF, Walker AS, Roilides E, Zaoutis TE, Jafri H, Giaquinto C, Turner MA, Sharland M. Standardising neonatal and paediatric antibiotic clinical trial design and conduct: the PENTA-ID network view. *BMJ Open*. 2019 Dec 31;9(12):e032592.
- Donà D, Sharland M, Heath PT, **Folgori L**. Strategic Trials to Define the Best Available Treatment for Neonatal and Pediatric Sepsis Caused by Carbapenem-resistant Organisms. *Pediatr Infect Dis J*. 2019 Aug;38(8):825-827.
- Vazouras K, Velali K, Tassiou I, Anastasiou-Katsiardani A, Athanasopoulou K, Barbouni A, Jackson C, **Folgori L**, Zaoutis T, Basmaci R, Hsia Y. Treatment and Antimicrobial Resistance in Children with Urinary Tract Infections. *J Glob Antimicrob Resist*. 2019 Jun 25. pii: S2213-7165(19)30160-2.
- **Folgori L**, Bielicki J. Future Challenges in Pediatric and Neonatal Sepsis: Emerging Pathogens and Antimicrobial Resistance. *J Pediatr Intensive Care*. 2019; 08(01): 017-024.
- Zhang J\*, **Folgori L\***, Hsia Y, Sharland M, Yang Y. Pattern of Antimicrobial Resistance in Bloodstream Isolates from Chinese Neonates. *Pediatr Infect Dis J*. 2019 Jun;38(6):600-604. \*equally contributing authors

- Vazouras K, Basmaci R, Bielicki J, **Folgori L**, Zaoutis T, Sharland M, Hsia Y. Antibiotics and Cure Rates in Childhood Febrile Urinary Tract Infections in Clinical Trials: A Systematic Review and Meta-analysis. *Drugs*. 2018 Oct;78(15):1593-1604.
- Pansa P, Hsia Y, Bielicki J, Lutsar I, Walker AS, Sharland M, **Folgori L**. Evaluating Safety Reporting in Paediatric Antibiotic Trials, 2000-2016: A Systematic Review and Meta-Analysis. *Drugs*. 2018 Feb;78(2):231-244.
- **Folgori L**, Ellis SJ, Bielicki J, Heath PT, Sharland M, Balasegaram M. Tackling antimicrobial resistance in neonatal sepsis. *Lancet Glob Health*. 2017 Nov;5(11):e1066-e1068.
- Thompson G, Barker C, **Folgori L**, Bielicki J, Bradley J, Lutsar I, Sharland M. A global shortage of neonatal and pediatric antibiotic trials: rapid review. *BMJ Open*. 2017 Oct 13;7(10):e016293.
- **Folgori L**, Tersigni C, Hsia Y, Kortsalioudaki C, Heath P, Sharland M, Bielicki J. The relationship between Gram-negative colonisation and bloodstream infections in neonates: a systematic review and meta-analysis. *Clin Microbiol Infect*. 2017 Aug 19. pii: S1198-743X(17)30454-8. doi: 10.1016/j.cmi.2017.08.008
- Basmaci R, Vazouras K, Bielicki J, **Folgori L**, Hsia Y, Zaoutis T, Sharland M. Urinary Tract Infection Antibiotic Trial Study Design: A Systematic Review. *Pediatrics*. 2017 Dec;140(6).
- **Folgori L**, Bielicki J, Heath PT, Sharland M. Antimicrobial-resistant Gram-negative infections in neonates: burden of disease and challenges in treatment. *Curr Opin Infect Dis*. 2017 Jun;30(3):281-288.
- Gutiérrez-Gutiérrez B, Bravo-Ferrer J, Sojo-Dorado J, Cuperus N, de Kraker M, Kostyanov T, Raka L, Daikos G, Feifel J, **Folgori L**, Pascual A, Goossens H, O'Brian S, Bonten M, Rodríguez-Baño J for the EURECA project team. European prospective cohort study on Enterobacteriaceae showing REsistance to CARbapenems (EURECA): study protocol of a European multicentre, observational project. *BMJ Open*. 2017 Apr 3;7(4):e015365.
- Mathur S, Li G, **Folgori L**, Sharland M, Heath PT. DeNIS collaboration: setting the future research agenda. *Lancet Glob Health*. 2017 Jan;5(1):e36
- Oligbu G, Hsia Y, **Folgori L**, Collins S, Ladhani S. Pneumococcal conjugate vaccine failure in children: A systematic review of the literature. *Vaccine*. 2016 Dec 7;34(50):6126-6132
- **Folgori L**, Bernaschi P, Piga S, Carletti M, Pirrone Cunha F, Rodriguez Lara PH, Cafieiro de Castro Peixoto N, Gomes Alves Guimarães B, Sharland M, Araujo da Silva AR, Ciofi degli Atti M. Healthcare-associated Infections in paediatric and neonatal intensive care units: impact of underlying risk factors and antimicrobial resistance on 30-day case-fatality. *Infect Control Hosp Epidemiol*. 2016 Nov;37(11):1302-1309.
- **Folgori L**, Bielicki J, Ruiz B, Turner MA, Bradley JS, Benjamin DK Jr., Zaoutis T, Lutsar I, Giaquinto C, Rossi P, Sharland M. Harmonisation in study design and outcomes in paediatric antibiotic clinical trials reported from 2000-2015: a systematic review. *Lancet Infect Dis*. 2016 Sep;16(9):e178-89.
- Timperi E\*, **Folgori L**\*, Amodio D, De Luca M, Chiurchiù S, Piconese S, Di Cesare S, Pacella I, Martire C, Bonatti G, Perrone S, Boni T, Marcovecchio GE, Reale A, Parisi F, Dotta A, Barnaba V, Rossi P. Expansion of activated regulatory T cells inversely correlates with clinical severity in septic neonates. *J Allergy Clin Immunol*. 2016 May;137(5):1617-1620.e6. \*equally contributing authors
- **Folgori L**, Livadiotti S, Carletti M, Bielicki J, Pontrelli G, Ciofi Degli Atti ML, Bertaina C, Lucignano B, Ranno S, Carretto E, Muraca M, Sharland M, Bernaschi P. Epidemiology and clinical outcomes of multidrug-resistant, gram-negative bloodstream infections in a European tertiary pediatric hospital during a 12-month period. *Pediatr Infect Dis J*. 2014 Sep;33(9):929-32.

- Calò Carducci FI, Aufiero LR, **Folgori L**, Vittucci AC, Amodio D, De Luca M, Pira GL, Bergamini A, Pontrelli G, Finocchi A, D'Argenio P. Serum Soluble ST2 as Diagnostic marker of Systemic Inflammatory Reactive Syndrome of bacterial etiology in children. *Pediatr Infect Dis J*. 2014 Feb;33(2):199-203.
- **Folgori L**, Bielicki J, Sharland M. A systematic review of strategies for reporting of neonatal hospital-acquired bloodstream infections. *Arch Dis Child Fetal Neonatal Ed*. 2013 Nov;98(6):F518-23.
- Livadiotti S, Milano GM, Serra A, **Folgori L**, Jenkner A, Castagnola E, Cesaro S, Rossi MR, Barone A, Zanazzo G, Nesi F, Licciardello M, De Santis R, Ziino O, Cellini M, Porta F, Caselli D, Pontrelli G. A survey on hematology-oncology paediatric AIEOP centers: prophylaxis, empirical therapy and nursing prevention procedures of infectious complications. *Haematologica*. 2012 Jan;97(1):147-150.
- Angelino G, Natali GL, Falappa P, **Folgori L**, Moretti R, Cantarutti N, Di Matteo G, Chiriaco M, Rossi P, Roos D, Aiuti A, Finocchi A. Successful treatment with percutaneous transhepatic alcoholization of a liver abscess in a child with chronic granulomatous disease. *Pediatr Infect Dis J*. 2011 Sep;30(9):819-20.
- **Folgori L**, Scarselli A, Angelino G, Ferrari F, Antoccia A, Chessa L, Finocchi A. Cutaneous granulomatosis and combined immunodeficiency revealing Ataxia-Telangiectasia: a case report. *Ital J Pediatr*. 2010 Apr 11;36:29.
- Catapano, M, **Folgori L**. Paediatric orphan drugs. *Pharmaceuticals Policy and Law*. 2010;12(1,2):85-88.
- "Primary Immunodeficiencies". Atti del Convegno "Sistemi di regolazione con immunoglobuline dalla terapia sostitutiva al controllo biologico della risposta immunitaria". Roma, 9-10 Ottobre 2009, Azienda Ospedaliera Sant'Andrea, Aracne editrice.
- Chiriaco M, Di Matteo G, Sinibaldi C, Giardina E, Nardone AM, **Folgori L**, D'Argenio P, Rossi P, Finocchi A. Identification of deletion carriers in X-linked Chronic Granulomatous Disease by real-time PCR. *Genet Test Mol Biomarkers*. 2009 Dec;13(6):785-9.

#### Professional Educational Materials:

- Co-author of the *ESPID Online Antibiotic Management course* module C: "Clinical microbiology: what you need to know to become a better antibiotic prescriber". <https://espidcourses.conted.ox.ac.uk>
- Co-author of the *Manual of Childhood Infections - The Blue Book*. Fourth Edition. Chapter 58: "Clostridium difficile".

*I authorize the disclosure of my personal information according to the Italian law DL 196/2003.*

**Laura FOLGORI**