

## **Dr. Miguel Lanaspá**

Rua da Bombarda 72, 4F, 1100-101, Lisbon, Portugal / +351 960139889

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### **Assistant researcher**

Global Health and Tropical Medicine  
Instituto de Higiene e Medicina Tropical, Lisbon, Portugal  
Telephone (work): +351 213 652 600 (ext. 307)  
Email (work): mlanaspá@ihmt.unl.pt

## ***Education & Training***

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### **Ph.D 2012 – 2016**

Universitat de Barcelona, Barcelona, Spain  
*PhD Thesis Title: “Filling gaps on paediatric pneumonia in developing countries”*

### **MSc (Epidemiology) 2013 – 2014**

London School of Hygiene and Tropical Medicine, London, UK

### **Residency (Paediatrics) 2004 – 2008**

Hospital Materno Infantil Vall d’Hebron, Barcelona, Spain

### **Medical Doctor 1997 – 2003**

Universitat Autònoma de Barcelona, Barcelona, Spain

## ***Professional Experience (last 8 years)***

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### **Instituto de Higiene e Medicina Tropical, Lisbon, Portugal**

Assistant Researcher, July 2016 - present  
*Research focus: paediatric respiratory infections*

### **Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain**

Medical Research Fellow, November 2014 – present  
*Coordinator of ISGlobal research platform in Morocco*

### **Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain**

Junior Training Fellow, January 2010 – July 2013  
*Research focus: malaria; paediatric respiratory infections*

### **Centro de Investigação em Saúde de Manhica, Mozambique**

Junior Training Fellow, January 2010 – February 2013  
*Clinical assistance and clinical researcher*  
*Responsible for the safety component of the malaria vaccine candidate RTS,S phase III clinical trial*

### **Hospital Materno Infantil Vall d’Hebron, Barcelona, Spain**

Registrar, July 2008 – December 2009  
*Registrar in Paediatric Critical Care Transport*  
*Fellow in the Paediatric Infectious Diseases Department*

## Scholarships and Funding

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AEP Foundation (7000€)	2015
Probitas Foundation (50000€)	2015
Research scholarship, Pfizer (7200€/year)	2008 - 2009
Erasmus-Socrates Programme	2002 - 2003

## Workshops and Courses Coordination

- International workshop « Bacterial Resistance to Antibiotics » organized at ENSP (Ecole Nationale de Santé Publique), Rabat, Morocco, July 2015.
- Workshop « Writing a research proposal » organized at Universidade Caddi Ayad University, Marrakech, Morocco, May 2015.
- Workshop « Writing a research article » organized at Sidi Mohammed Ben Abdellah University, Morocco, May 2015.
- Training on « Good Clinical Practice for Researchers » organized at Ibn Sina Hospital, Rabat, March 2015.
- Workshop « Writing a research proposal » organized at INASA, Bissau, Guinea-Bissau, September 2017.

## Peer-reviewed Papers

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1. **Lanaspa M**, Bassat Q, Medeiros MM, Munoz-Almagro C. Respiratory microbiota and lower respiratory tract disease. *Expert review of anti-infective therapy* 2017; 15(7): 703-11.
2. Silterra J, Gillette MA, **Lanaspa M**, et al. Transcriptional Categorization of the Etiology of Pneumonia Syndrome in Pediatric Patients in Malaria-Endemic Areas. *J Infect Dis* 2017; 215(2): 312-20.
3. Madrid L, Siteo A, Varo R, et al. Continuous determination of blood glucose in children admitted with malaria in a rural hospital in Mozambique. *Malar J* 2017; 16(1): 184.
4. Guggisberg AM, Sundararaman SA, **Lanaspa M**, et al. Whole genome sequencing to evaluate the resistance landscape following antimalarial treatment failure with fosmidomycin-clindamycin. *J Infect Dis* 2016.
5. Bassat Q, **Lanaspa M**, Machevo S, et al. Hypoxaemia in Mozambican children <5 years of age admitted to hospital with clinical severe pneumonia: clinical features and performance of predictor models. *Trop Med Int Health* 2016.
6. Annamalay AA, **Lanaspa M**, Khoo SK, et al. Rhinovirus species and clinical features in children hospitalised with pneumonia from Mozambique. *Trop Med Int Health* 2016.
7. Valim C, Ahmad R, **Lanaspa M**, et al. Responses to Bacteria, Virus and Malaria Distinguish the Etiology of Pediatric Clinical Pneumonia. *American journal of respiratory and critical care medicine* 2015.
8. Madrid L, **Lanaspa M**, Maculuve SA, Bassat Q. Malaria-associated hypoglycaemia in children. *Expert review of anti-infective therapy* 2015; 13(2): 267-77.
9. Madrid L, Acacio S, Nhampossa T, **Lanaspa M**, et al. Hypoglycemia and Risk Factors for Death in 13 Years of Pediatric Admissions in Mozambique. *The American journal of tropical medicine and hygiene* 2015.

10. **Lanaspa M**, O'Callaghan-Gordo C, Machevo S, et al. High prevalence of *Pneumocystis jirovecii* pneumonia among Mozambican children <5 years of age admitted to hospital with clinical severe pneumonia. *Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases* 2015; **21**(11): 1018 e9- e15.
11. **Lanaspa M**, Balcells R, Sacoor C, Nhama A, Aponte JJ, Bassat Q. The performance of the expanded programme on immunization in a rural area of Mozambique. *Acta tropica* 2015; **149**: 262-6.
12. Acacio S, Verani JR, **Lanaspa M**, et al. Under treatment of pneumonia among children under 5 years of age in a malaria-endemic area: population-based surveillance study conducted in Manhica district- rural, Mozambique. *International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases* 2015; **36**: 39-45.
13. RTS,S CTP. Efficacy and safety of the RTS,S/AS01 malaria vaccine during 18 months after vaccination: a phase 3 randomized, controlled trial in children and young infants at 11 African sites. *PLoS medicine* 2014; **11**(7): e1001685.
14. **Lanaspa M**, Valim C, Acacio S, et al. High reliability in respiratory rate assessment in children with respiratory symptomatology in a rural area in Mozambique. *Journal of tropical pediatrics* 2014; **60**(2): 93-8.
15. **Lanaspa M**, Madrid L, Bassat Q. Biomarker discovery for childhood infections: paving the way for a diagnostic revolution in the developing world. *Biomarkers in medicine* 2014; **8**(9): 1057-60.
16. **Lanaspa M**, Annamalay AA, LeSouef P, Bassat Q. Epidemiology, etiology, x-ray features, importance of co-infections and clinical features of viral pneumonia in developing countries. *Expert review of anti-infective therapy* 2014; **12**(1): 31-47.
17. Selva L, Benmessaoud R, **Lanaspa M**, et al. Detection of *Streptococcus pneumoniae* and *Haemophilus influenzae* type B by real-time PCR from dried blood spot samples among children with pneumonia: a useful approach for developing countries. *PloS one* 2013; **8**(10): e76970.
18. Soler-Palacin P, Frick MA, Martin-Nalda A, **Lanaspa M**, et al. Voriconazole drug monitoring in the management of invasive fungal infection in immunocompromised children: a prospective study. *The Journal of antimicrobial chemotherapy* 2012; **67**(3): 700-6.
19. RTS,S CTP, Agnandji ST, Lell B, et al. A phase 3 trial of RTS,S/AS01 malaria vaccine in African infants. *The New England journal of medicine* 2012; **367**(24): 2284-95.
20. **Lanaspa M**, Moraleda C, Machevo S, et al. Inadequate efficacy of a new formulation of fosmidomycin-clindamycin combination in Mozambican children less than three years old with uncomplicated *Plasmodium falciparum* malaria. *Antimicrobial agents and chemotherapy* 2012; **56**(6): 2923-8.
21. Agnandji ST, Lell B, Soulanoudjingar SS, et al. First results of phase 3 trial of RTS,S/AS01 malaria vaccine in African children. *The New England journal of medicine* 2011; **365**(20): 1863-75.

## *Communications*

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- « Human microbiome : does it have a role in HIV pediatric research in developing countries ? », 4º Congresso de Medicina Tropical, Lisbon, 2017
- « Biomarkers for differential diagnosis of severe clinical pneumonia caused by bacteria, malaria or viruses »: XIV Jornadas de Saúde, Maputo, Mozambique, 2012
- « Monitoring plasmatic voriconazole in children »26th Annual ESPID Meeting, Graz, 2008

## *Key Skills*

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### *Technical skills*

- **Clinical expertise:** paediatric infectious diseases, paediatric intensive care
- **Study design**
- **Data analysis:** descriptive analysis, logistic regression, Poisson and Cox regression using STATA

### *Language skills*

Fluent in Spanish, French, English, Portuguese, oral and written

## *Others*

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- Member of the Spanish Society of Pediatric Infectious Diseases (since 2009)
- Associate Editor at BMC Health Services Research and at Journal of Tropical Pediatrics
- Reviewer of several medical journals
- Supervisor of 1 MSc student in 2015 – 2016.