

Curriculum Vitae
Raffaella ONORI, M.Sc., PhD



Work experience

Post-doctoral Researcher (01/2016- 12/2018)

Departamento de Microbiología y Enfermedades Infecciosas, Hospital General Universitario Gregorio Marañón, Universidad Complutense, Calle Doctor Esquerdo, 46, 28007 Madrid, España

Research activities:

- Clinical implications of rapid diagnostic tests for the management of patients with skin and soft tissue infections (SSTI) and sepsis caused by Multi-Drug Resistant microorganisms.
- Rapid diagnostic algorithm (Fast-track) from direct clinical samples and its clinical impact.
- Study of environmental contamination and spread of *C. difficile*.
- Significance of quantitative culture in puerperal mastitis and review of the national guideline.
- Evaluation of amplification cycles of PCR used for diagnosis and clinical outcome of patients in flu season.
- *P. acnes* (*Cutibacterium acnes*) biofilm in prosthetic joint infection.
- Collaboration in clinical studies.

Research fellowship (01/2012-01/2013)

Istituto Clinico Humanitas IRCCS, Via Manzoni 31, 20089 Rozzano (MI), Italy

Research activities: Inflammatory Bowel Diseases (IBD): role of the pathway sphingosine 1-phosphate in endothelial cells.

Education

PhD and Doctor Europaeus in Translational Medicine (Molecular Biology) (01/2013- 02/2016)

#1: Laboratory of Microbiology and Virology, Department of Biotechnology and Life Sciences, University of Insubria and Ospedale di Circolo-Fondazione Macchi, Viale Luigi Borri, 57, 21100 Varese, Italy
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#2 (six-month experience): Department of Clinical Microbiology and Infectious Diseases, Hospital General Universitario Gregorio Marañón, Universidad Complutense, Calle Doctor Esquerdo, 46, 28007 Madrid, España

Research activities: Whole genome analysis and molecular typing of nosocomial infections (mainly, carbapenemases-producing *Klebsiella pneumoniae* and *Clostridium difficile* ribotype 027).

Master Degree in Medical Biotechnology and Molecular Medicine (with specific courses in molecular Oncology) (10/2009-10/2011)

Department of Medical Biotechnology and Translational Medicine , University of Milan, Via Vanvitelli 32, 20129 Milan, Italy

Research activity: Polymorphism of "clock genes" and genes involved in metabolism and transport of irinotecan in colorectal carcinoma.

Homologated Degree (Ministerio de Educación y Deporte, Spain).

Bachelor Degree in Biomedical Biotechnology (10/2006-10/2009)

University of Insubria, Varese, via Dunant , 21100 Varese, Italy

Research activity: Thesis project concerning the localization of dopamine receptors in human lymphocytes by scanning electron microscopy.

Homologated Degree (Ministerio de Educación y Deporte, Spain).

Languages expertise

1. **English:** B2
2. **Spanish:** C1 (Institute Cervantes, DELE, February 2017)
3. **Italian:** native

Additional skills

- ✓ European Computer Driving License (ECDL)
- ✓ Degree Award at University of Milan (2012, Università di Milano)
- ✓ Esame di Stato (professional qualification, score 196/200) and registered to Ordine Nazionale dei Biologi (2017-current)
- ✓ Permission for *in vivo* (animal) models (2012)
- ✓ Member of European Society Clinical Microbiology and Infectious Diseases (ESCMID, 2014- current)
- ✓ Member of Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC, 2016-current)
- ✓ Degree “Metodología de la investigación en Ciencias de la Salud. Fundamentos de diseño y estadística” (2017-2018, Universidad Autónoma de Barcelona)

Publications

1. **Onori R. et al.** First isolation of *Skermanella aerolata* from a human sample. SEQ.Oct 2018.
2. **Bouza E., Onori R. et al.** Fast track SSTI management program based on a rapid molecular test (GeneXpert® MRSA/SA SSTI) and antimicrobial stewardship. J Microbiol Immunol Infect. 2018
3. **Reigadas E. et al.** Breakthrough *Clostridium difficile* infection in cirrhotic patients receiving rifaximin; Clin Infect Dis. 2017
4. **Onori R. et al.** Tracking nosocomial *Klebsiella pneumoniae* infections and outbreaks by whole genome analysis: small-scale Italian scenario within a single hospital; J Clin Microbiol. 2015

Courses and scientific meetings

Works presented in Congresses:

- Speaker and chairman at the meeting "Italian young minds at work", November 2013; Desenzano del Garda (Brescia, Italy): "Molecular analysis of bacteria responsible of hospital outbreaks"
- "42nd National Congress of the Italian Society of Microbiology", 28 September-1 October 2014, Turin (Italy). "Molecular analysis of KPC-producing *K. pneumoniae* isolates, responsible of hospital outbreaks"; (Onori R et al.). Poster.
- "ECCMID 2016" (11 April 2016): "Molecular characterization of the first outbreak of *C. difficile* 027 detected in Spain" (Marin M. et al); ePoster EP0105
- "ECCMID 2017" (April 2017): "Clinical impact of rapid diagnostic approach (direct GeneXpert) for the management of patients with skin and soft tissue infections (SSTI)" (Bouza E. et al); Poster #4547
- "ECCMID 2017" (April 2017): "Breakthrough *C. difficile* infection in cirrhotic patients receiving rifaximin" (Reigadas E. et al); Poster #5095
- "XXI Congreso de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC), (May 2017): "Correlación entre el uso de tiras...(…)...en pacientes con sospecha de neumonía del ventilado" (Burillo A. et al.); Poster #778
- "XXI Congreso de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC), (May 2017): "Correlación entre el uso de tiras ...(…)...en pacientes con sospecha de neumonía del ventilado causada por bacilos gramnegativos" (Burillo et al.); Poster #779
- "ECCMID 2018" (April 2018): "Significance of quantitative cultures and molecular methods for the diagnosis of puerperal mastitis", (Onori R. et al); Poster #0713
- "ECCMID 2018" (April 2018): "Fast-track microbiology laboratory algorithm for the early detection of Gram-negative bacterial infection in patients with suspected sepsis", (Burillo A. et al); Poster #1936
- "ECCMID 2018" (April 2018): "*C. difficile* environmental contamination in clinical microbiology laboratories and laboratory workers", (Reigadas E. et al); Poster #0381
- "XXII Congreso de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC), (May 2018): "“Descripción de la primera cepa de *Skermanella aerolata* aislada de una muestra humana”, (Onori R. et al); Poster #0465

Participation in more than 20 courses (ask for full CV to break down):

Full travel grant. 17th ESCMID Summer School Paris, France 1 July 2018 - 7 July 2018.