



- **Name:** Maurizio Sanguinetti

- **Current Position:**

Full Professor of Microbiology at Catholic University of Rome

- **Country:** Italy

- **Educational Background:**

- Doctor of Medicine (1991) at the Università Cattolica del Sacro Cuore of Rome, Italy.

- Specialist of Microbiology and Virology (1996) at the Università Cattolica del Sacro Cuore of Rome, Italy.

- **Professional Experiences:**

Associate Professor of Microbiology (2003) and teacher of microbiological disciplines in the Università Cattolica del Sacro Cuore of Rome, Italy.

Since 2011, he is Full Professor of Microbiology, Director of the Institute of Microbiology and Head of the Clinical Microbiology Laboratory Unit at the Università Cattolica del Sacro Cuore. Rome, Italy.

- **Professional Organizations**

In 2009, he was member of the European Conference on Infections in Leukemia (ECIL) Laboratory Working Group aimed at establishing evidence-based recommendations for use of biological tests for the diagnosis of invasive fungal diseases in adult patients.

Since 2011, he is Secretary of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID) Invasive Fungal Infections Study Group (EFISG) and is the representative of the Italian Society of Human and Animal Mycology at the European Confederation of Medical Mycology (ECMM).

Since 2013, he is member of the ESCMID Educational Subcommittee.

Since 2016, he is member of the ESCMID Executive Committee.



•Main Scientific Publications:

1. Nishikawa JL, Boeszoermyeni A, Vale-Silva LA, Torelli R, Posteraro B, Sohn YJ, Ji F, Gelev V, Sanglard D, Sanguinetti M, Sadreyev RI, Mukherjee G, Bhyravabhotla J, Buhrlage SJ, Gray NS, Wagner G, Näär AM, Arthanari H. Inhibiting fungal multidrug resistance by disrupting an activator-Mediator interaction. *Nature*. 2016 Feb 25;530(7591):485-9
2. Fiori B, D'Inzeo T, Giaquinto A, Menchinelli G, Liotti FM, de Maio F, De Angelis G, Quaranta G, Nagel D, Tumbarello M, Posteraro B, Sanguinetti M, Spanu T. Optimized Use of the MALDI BioTyper System and the FilmArray BCID Panel for Direct Identification of Microbial Pathogens from Positive Blood Cultures. *J Clin Microbiol*. 2016 Mar;54(3):576-84
3. Bertini A, Zoppo M, Lombardi L, Rizzato C, De Carolis E, Vella A, Torelli R, Sanguinetti M, Tavanti A. Targeted gene disruption in *Candida parapsilosis* demonstrates a role for CPAR2_404800 in adhesion to a biotic surface and in a murine model of ascending urinary tract infection. *Virulence*. 2015 Dec 2:1-13.
4. Blumentrath CG, Grobusch MP, Matsiégui PB, Pahlke F, Zoleko-Manego R, Nzenze-Aféne S, Mabicka B, Sanguinetti M, Kremsner PG, Schaumburg F. Classification of Rhinoentomophthoromycosis into Atypical, Early, Intermediate, and Late Disease: A Proposal. *PLoS Negl Trop Dis*. 2015 Oct 1;9(10):e0003984
5. Russo A, Falcone M, Fantoni M, Murri R, Masucci L, Carfagna P, Ghezzi MC, Posteraro B, Sanguinetti M, Venditti M. Risk factors and clinical outcomes of candidaemia in patients treated for *Clostridium difficile* infection. *Clin Microbiol Infect*. 2015, 21(7):677-83
6. Bassetti M, Righi E, Ansaldi F, Merelli M, Cecilia T, De Pascale G, Diaz-Martin A, Luzzati R, Rosin C, Lagunes L, Treçarichi EM, Sanguinetti M, Posteraro B, Garnacho-Montero J, Sartor A, Rello J, Rocca GD, Antonelli M, Tumbarello M. 2014. A multicenter study of septic shock due to candidemia: outcomes and predictors of mortality. *Intensive Care Med*. 40 (6): 839-45.

8. Vella A, De Carolis E, Vaccaro L, Posteraro P, Perlin DS, Kostrzewa M, Posteraro B, Sanguinetti M. 2013. Rapid antifungal susceptibility testing by matrix-assisted laser desorption ionization-time of flight mass spectrometry analysis. *J Clin Microbiol.* 51 (9): 2964-9
9. Schlüsselhuber M, Torelli R, Martini C, Leippe M, Cattoir V, Leclercq R, Laugier C, Grötzinger J, Sanguinetti M, Cauchard J. 2013. The Equine Antimicrobial Peptide eCATH1 Is Effective against the Facultative Intracellular Pathogen *Rhodococcus equi* in Mice. *Antimicrob Agents Chemother.* 57 (10): 4615-21.
10. Posteraro B, De Carolis E, Vella A, Sanguinetti M. 2013. MALDI-TOF mass spectrometry in the clinical mycology laboratory: identification of fungi and beyond. *Expert Rev Proteomics.* 10 (2): 151-64.
11. Bugli F, Posteraro B, Papi M, Torelli R, Maiorana A, Paroni Sterbini F, Posteraro P, Sanguinetti M, De Spirito M. 2013. In vitro interaction between alginate lyase and amphotericin B against *Aspergillus fumigatus* biofilm determined by different methods. *Antimicrob Agents Chemother.* 57 (3): 1275-82.
12. Lebreton F, van Schaik W, Sanguinetti M, Posteraro B, Torelli R, Le Bras F, Verneuil N, Zhang X, Giard JC, Dhalluin A, Willems RJ, Leclercq R, Cattoir V. 2012. AsrR is an oxidative stress sensing regulator modulating *Enterococcus faecium* opportunistic traits, antimicrobial resistance, and pathogenicity. *PLoS Pathog.* 8 (8): e1002834.
13. Torelli R, Serror P, Bugli F, Paroni Sterbini F, Florio AR, Stringaro A, Colone M, De Carolis E, Martini C, Giard JC, Sanguinetti M, Posteraro B. 2012. The PavA-like fibronectin-binding protein of *Enterococcus faecalis*, EfbA, is important for virulence in a mouse model of ascending urinary tract infection. *J Infect Dis.* 206 (6): 952-60.
14. Spreghini E, Orlando F, Sanguinetti M, Posteraro B, Giannini D, Manso E, Barchiesi F. 2012. Comparative analysis of micafungin, caspofungin and anidulafungin against a difficult-to treat fungal opportunistic pathogen: *Candida glabrata*. *Antimicrob Agents Chemother.*, 56(3):1215-22.

15. De Carolis E., Posteraro B., Lass-Flörl C., Vella A., Florio A. R., Torelli R., Girmenia C., Torturano A. M., Sanguinetti M. and G. Fadda. 2012. Species identification of *Aspergillus* and other important filamentous fungi using direct surface analysis by MALDI-TOF mass spectrometry: one-year experience at a large clinical microbiology laboratory. Clin. Microbiol. Infect., 18 (5) :475-84.
16. De Carolis E., Posteraro B., Lass-Flörl C., Vella A., Florio A. R., Torelli R., Girmenia C., Torturano A. M., Sanguinetti M. and G. Fadda. 2012. Species identification of *Aspergillus* and other important filamentous fungi using direct surface analysis by MALDI-TOF mass spectrometry: one-year experience at a large clinical microbiology laboratory. Clin. Microbiol. Infect., 18 (5) :475-84.
17. Hiron A, Posteraro B, Carrière M, Remy L, Delporte C, La Sorda M, Sanguinetti M, Juillard V, Borezée-Durant E. 2010. A nickel ABC-transporter of *Staphylococcus aureus* is involved in urinary tract infection. Mol Microbiol., 77 (5): 1246-1260.
18. Ferrari S, Ischer F, Calabrese D, Posteraro B, Sanguinetti M, Fadda G, Rohde B, Bauser C, Bader O, Sanglard D. 2009. Gain of function mutations in CgPDR1 of *Candida glabrata* not only mediate antifungal resistance but also enhance virulence. PLoS Pathog., 5 (1): e1000268.
19. Torelli R, Posteraro B, Ferrari S, La Sorda M, Fadda G, Sanglard D, Sanguinetti M. 2008. The ATP-binding cassette transporter-encoding gene CgSNQ2 is contributing to the CgPDR1-dependent azole resistance of *Candida glabrata*. Mol Microbiol., 68 (1): 186-201.
20. S. La Carbona, N. Sauvageot, J. C. Giard, A. Benachour, B. Posteraro, Y. Auffray, M. Sanguinetti and A. Hartke. 2007. Comparative study of the physiological roles of three peroxidases (NADH peroxidase, Alkyl hydroperoxide reductase and Thiol peroxidase) in oxidative stress response, survival inside macrophages and virulence of *Enterococcus faecalis*. Mol. Microbiol., 66: 1148-1163.