Stanford



Alexandre Rodrigues Marra

Contingent Employee, Medicine - Med/Infectious Diseases

Bio

BIO

Dr. Marra has a multidisciplinary background shaped by academic training and professional experience, with roots in Brazil and a consistent engagement with international collaboration. His work focuses on healthcare-associated infections, antimicrobial stewardship, and the development of hand hygiene monitoring systems, including patented technologies implemented in healthcare settings. He has contributed to epidemiological research as well as multiple systematic reviews and meta-analyses that have informed international recommendations and clinical guidelines. His work reflects a sustained involvement in improving patient safety and infection prevention practices. At Stanford, Dr. Marra aims to expand his knowledge, engage with the academic community, and further develop his contributions to research with broader societal relevance.

CURRENT ROLE AT STANFORD

Researcher

HONORS AND AWARDS

- SHEA Travel Award, Society for Healthcare Epidemiology of America (2005)
- SHEA International Award, Society, Society for Healthcare Epidemiology of America (2009)

EDUCATION AND CERTIFICATIONS

- Postdoctoral Fellow, University of Iowa, Iowa City, IA, USA , Hospital Epidemiology (2020)
- Postdoctoral Fellow, Virginia Commonwealth University (VCU), Richmond, VA, USA , Hospital Epidemiology (2005)
- PhD, Universidade Federal de São Paulo (UNIFESP-EPM), Brazil , Infectious Diseases (2004)
- MSc, Universidade Federal de São Paulo (UNIFESP-EPM), Brazil , Infectious Diseases (2002)
- Medical Residency, Universidade Federal de São Paulo (UNIFESP-EPM), Brazil , Internal Medicine and Infectious Diseases (1999)
- MD, Faculdade de Ciências Médicas de Santos, Brazil , Medicine (1996)

PATENTS

- Alexandre Rodrigues Marra, Oscar Fernando Pavao dos Santos, Marcelo Prado, Renaldo Massini Junior, Tales Roberto de Souza Santini, Alvaro Costa Neto,. "Brazil Patent BR 102016027362-5 SISTEMA E MÉTODO DE MONITORAMENTO DOS EVENTOS DE CONTATO FÍSICO EM UM AMBIENTE HOSPITALAR"
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior. "Brazil Patent BR 10 2019 014126-3 A2 SISTEMA E MÉTODO PARA DETECÇÃO E ELIMINAÇÃO DE MICRORGANISMOS E MÓDULO DE DETECÇÃO DISPOSTO EM UM PONTO DE FLUXO DE ÁGUA", SOCIEDADE BENEFICENTE ISRAELITA BRASILEIRA HOSPITAL ALBERT EINSTEIN (BR/SP); I-HEALTHSYS PRODUTOS MÉDICOS LTDA - ME (BR/SP), Jun 2, 2026
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gagliardi, Tales Roberto de Souza Santini, Alvaro Costa Neto. "United States Patent BR102017021006-5 Sistemas de deteccao de eventos de contato fisico em um ambiente hospitalar", Oct 21, 2025

- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Alvaro Costa Neto. "United States Patent 12,172,199 Method and system of monitoring the cleaning of hospital environments", Dec 24, 2024
- Alexandre Rodrigues Marra, Oscar Fernando Pavao Dos Santos, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gagliardi, Felipe Kermentz Ferraz Costa, Tales Roberto De Souza Santini, Alvaro Costa Neto. "Brazil Patent BR102016018763B1 DISPOSITIVO PORTÁTIL PARA ANÁLISE DE TRAUMAS DE PELE E MÉTODO PARA ANÁLISE DE TRAUMAS DE PELE ATRAVÉS DE UM DISPOSITIVO PORTÁTIL", Apr 30, 2024
- Alexandre Rodrigues Marra, Oscar Fernando Pavao dos Santos, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gagliardi, Felipe Kermentz Ferraz Costa, Tales Roberto de Souza Santini, Alvaro Costa Neto. "Brazil Patent BR102016018876B1 SISTEMA E MÉTODO DE MONITORAMENTO DE PACIENTES EM LEITOS HOSPITALARES", Apr 30, 2024
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior. "United States Patent 11,944,137 Face shield, monitoring system and barrier formation in the same", Apr 2, 2024
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Alvaro Costa Neto. "United States Patent BR102018006229B1 MÉTODO E SISTEMA DE MONITORAMENTO DA LIMPEZA DE AMBIENTES HOSPITALARES", Jan 9, 2024
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Silvia Maria Prado. "United States Patent 11,861,920 System for monitoring gluten consumption and predicting association of indisposition to gluten consumption", Jan 2, 2024
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Alvaro Costa Neto. "Brazil Patent BR102017008096 SISTEMA E MÉTODO DE MONITORAMENTO DAS PRÁTICAS DE HIGIENIZAÇÃO DAS MÃOS EM UM AMBIENTE HOSPITALAR E DISPOSITIVO VESTÍVEL POR UM USUÁRIO DE UM AMBIENTE HOSPITALAR", Aug 29, 2023
- Alexandre Rodrigues Marra, Oscar Fernando Pavao dos Santos, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gagliardi, Felipe Kermentz Ferraz Costa, Tales Roberto de Souza Santini, Alvaro Costa Neto. "United States Patent 11,350,827 Portable device for the analysis of skin traumas and method for analyzing skin traumas using a portable device", Jun 7, 2022
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Alvaro Costa Neto. "United States Patent 11,298,728 Method and system of monitoring the cleaning of hospital environments", Apr 12, 2022
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gagliardi, Tales Roberto de Souza Santini, Alvaro Costa Neto. "United States Patent 10,629,301 System and method for detecting the physical contact events in a hospital environment, and use of the human body as a means for transmitting an identification signal in a system for detecting the physical contact events in a hospital environment", Apr 21, 2020
- Alexandre Rodrigues Marra, Oscar Fernando Pavao Dos Santos, Marcelo Prado, Renaldo Massini Junior, Guilherme Machado Gaglicardi, Felipe Kermentz Ferraz Costa, Tales Roberto de Souza Santini, Alvaro Costa Neto. "United States Patent 10,524,702 System and method of monitoring patients in hospital beds", Jan 7, 2020
- Alexandre Rodrigues Marra, Oscar Fernando Pavao dos Santos, Marcelo Prado, Renaldo Massini Junior, Tales Roberto de Souza Santini, Alvaro Costa Neto. "United States Patent 10,074,264 System and method of monitoring physical contact events in a hospital environment", Sep 11, 2018
- Alexandre Rodrigues Marra, Marcelo Prado, Renaldo Massini Junior, Alvaro Costa Neto. "United States Patent 10,529,218 System and method for monitoring the hand-cleaning practices in a hospital environment, and a wearable device to be worn by a user in a hospital environment", Jan 7, 2018
- Alexandre Rodrigues Marra, Julio Cesar Martin Monte, Marcelo Prado, Eder Issao Ishibe, Tales Roberto de Souza Santini, Caio Moraes Zanon, Felipe Kermentz Ferraz Costa, Guilherme Machado Gagliardi, Renaldo Massini Junior. "United States Patent 9,679,464 System and method of monitoring hand hygiene opportunities in hospital beds", Jun 13, 2017

LINKS

- ORCID: https://orcid.org/0000-0002-7577-7688
- Publications: https://pubmed.ncbi.nlm.nih.gov/?term=marra+ar

Professional

PROFESSIONAL INTERESTS

Infectious diseases

Hospital epidemiology

Infection prevention and control

Antimicrobial stewardship

Healthcare-associated infections

Clinical research and outcomes

WORK EXPERIENCE

- Physician and Researcher, Hospital Israelita Albert Einstein, São Paulo, Brazil - Hospital Israelita Albert Einstein, São Paulo, Brazil
- Professor, Post-Graduation Program in Health Sciences, Hospital Israelita Albert Einstein, São Paulo, Brazil - Hospital Israelita Albert Einstein
- Research Assistant, Department of Internal Medicine, University of Iowa - University of Iowa

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Editorial Board Member, American Journal of Infection Control (AJIC) (2026 - present)
- Associate Editor, Einstein (São Paulo) (2025 - present)
- Associate Editor, Antimicrobial Stewardship and Healthcare Epidemiology (ASHE) (2021 - present)