

Professor Philippe Parola, MD, PhD

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Director of VITROME (Vectors – Tropical and Mediterranean Infections) Research Unit
Marseille – Dakar – Algiers
Aix-Marseille University (AMU) - *Institut de Recherche pour le Développement* (IRD)
French Military Health Service (SSA)

Chief of Acute Infectious Diseases Unit - Department of Infectious Diseases
Assistance Publique – Hôpitaux de Marseille (AP-HM)



Professional Background

Philippe Parola underwent specialized medical training in Internal Medicine, Infectious Diseases and Tropical Medicine in the University Hospitals of Marseille. After having obtained both MD and PhD degrees at the Faculty of Medicine of Marseille, France, he was a post-doctoral fellow at the Laboratory of Public Health Entomology, Harvard School of Public Health, Boston and the Armed Forces Research Institute of Medical Sciences (AFRIMS) in Bangkok. He has attended the Gorgas Expert Course in Clinical Tropical Medicine, in Lima, Peru. He also spent a total of 5 years for clinical and/or research/teaching activities in tropical settings in Africa, particularly Western Africa, Indian Ocean Islands and Asia.

University and Hospital Appointments

Since 2010, Philippe Parola is full Professor of Infectious Diseases and Tropical Medicine, at the Faculty of Medicine, Aix-Marseille University, France. There, he is Director in charge of the Infectious Diseases and Tropical Medicine Residency program. He has created a course of medical entomology, and a course of tropical medicine. His clinical medical activities take place in the University Hospital Institute *Méditerranée infection* in Marseille, where he leads the Acute Infectious Diseases Unit. He is particularly involved in management of patients with acute infectious diseases including community acquired infections, respiratory tract infections, travel related diseases, malaria, dengue, chikungunya, rickettsioses, COVID19...

Research

His research interest includes medical entomology, particularly tick-borne diseases, travel medicine and emerging infectious diseases. By January 1st, 2023, Philippe Parola has co-authored more than 620 publications in the international literature. He has also written 20 book chapters. He has published major studies and reviews in the field of vector borne diseases, tropical medicine, rickettsiology, travel medicine, infectious diseases and medical entomology. Up to date information at [ORCID](#) and [Web of Sciences](#)

Director

Professor Philippe Parola has been the Director of the WHO Collaborative Center (FRA 75) for Rickettsial and other Arthropod Borne Bacterial Diseases (2010-2015). In the field of travel medicine, he has been Director (2010-2016) of EuroTravNet, the European Centre for Diseases Control collaborative Network for Travel and Tropical Medicine, a daughter network of Geosentinel, the global surveillance network of ISTM and CDC; and Director Europe (2011 - 2014) of Geosentinel. He is now the Director of the VITROME (Vectors – Tropical and Mediterranean Infection) Research Unit. This research unit includes 5 teams located at the IHU Méditerranée Infection in Marseille France, 1 in Dakar Senegal, 1 in Algeria and collaborative teams in Niger, Mali, and Mauritania. More than 1200 international publications have been produced by the teams of VITROME. Since 2019, Philippe Parola is also Director of a reference center of tick-borne diseases.

International Affairs

Philippe Parola has been for 10 years the Chair of International Relationships at the Faculty of Medicine at Aix Marseille University. He was particularly connected with international partners in Western Africa and South eastern Asia. Currently, he coordinates two networks in the field of emerging infectious diseases and medical entomology, including one in Western Africa, and another in the Mediterranean area.

Reservist

Philippe Parola is reservist for the French Army Health Service, with the rank of *Médecin en Chef* (Colonel). His unit supports the *1er Régiment Etranger de Cavalerie*, Marseille, France (French Foreign Legion). He has participated to several oversea missions, including in Chad, Ivory Coast, Bosnia and Kosovo, and French Guyana.

Awards

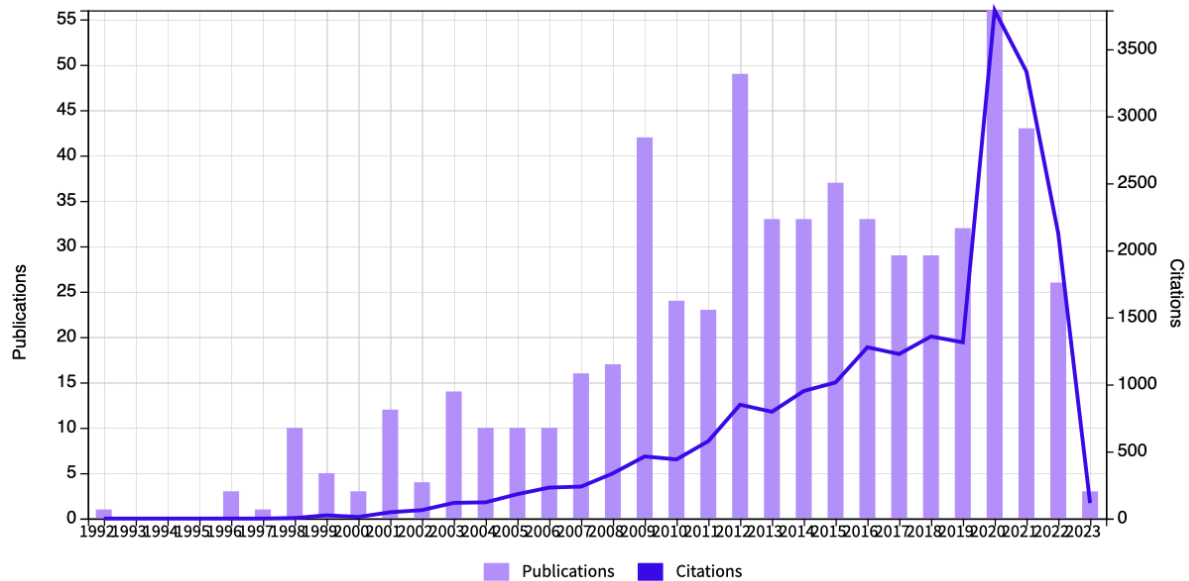
Philippe Parola is Chevalier dans l'Ordre National du Mérite (French for "Knight in the National Order of Merit") and Chevalier dans l'Ordre des Palmes Académiques (French for "Knight in the Order of Academic Palms"). He has received several prizes and awards including the French Academy of Medicine Award (Exotic Pathology/Tropical Medicine). He received, the Silver Medal of Public Health of Niger, and the Medal of Chevalier de l'Ordre de l'Etoile de la Grande Comore, Union of the Comoros. Thanks to his activities in the French army health service and oversea missions, Philippe Parola has received a total of 7 medals including the Combatant Cross, the Overseas Medal and the Recognition Medal of the Nation.

List of Publications Prof. Philippe PAROLA 1996 –2023 (January 1st)

Web of Science: Parola P

<https://www.webofscience.com/wos/woscc/summary/c64ca7b6-e4c4-48a1-9326-22f8408953b0-54fb565d/relevance/1>

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Complete list of Publications (PubMed)

<https://pubmed.ncbi.nlm.nih.gov/?term=parola+p&sort=date>

Publications (review) representative of the expertise

- Sevestre J, Diarra AZ, Laroche M, Almeras L, Parola P. Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: an emerging tool for studying the vectors of human infectious diseases. **Future Microbiol**. 2021;16:323-340.
- Parola P, Izri A. Bedbugs. **N Engl J Med**. 2020;382:2230-2237.
- Laroche M, Bérenger JM, Delaunay P, Charrel R, Pradines B, Berger F, Ranque S, Bitam I, Davoust B, Raoult D, Parola P. Medical Entomology: A Reemerging Field of Research to Better Understand Vector-Borne Infectious Diseases. **Clin Infect Dis** 2017;65(suppl_1):S30-S38.
- Parola P, Paddock CD, Socolovschi C, Labruna MB, Mediannikov O, Kernif T, Abdad MY, Stenos J, Bitam I, Fournier PE, Raoult D. Update on tick-borne rickettsioses around the world: a geographic approach. **Clin Microbiol Rev**. 2013;26(4):657-702.
- Parola P, Raoult D. Ticks and tickborne bacterial diseases in humans: an emerging infectious threat. **Clin Infect Dis** 2001; 32:897-928.

Publications (original articles) representative of the principal research topics

- Huynh LN, Diarra AZ, Nguyen HS, Tran LB, Do VN, Ly TDA, Ho VH, Nguyen XQ, Parola P. MALDI-TOF mass spectrometry identification of mosquitoes collected in Vietnam. **Parasit Vectors**. 2022 Jan 28;15(1):39.
- Lagier JC, Million M, Cortaredona S, Delorme L, Colson P, Fournier PE, Brouqui P, Raoult D, Parola P; IHU Task Force. Outcomes of 2111 COVID-19 Hospitalized Patients Treated with Hydroxychloroquine/Azithromycin and Other Regimens in Marseille, France, 2020: A Monocentric Retrospective Analysis. **The Clin Risk Manag**. 2022 May 31;18:603-617.
- Hamlili FZ, Thiam F, Laroche M, Diarra AZ, Doucouré S, Gaye PM, Fall CB, Faye B, Sokhna C, Sow D, Parola P. MALDI-TOF mass spectrometry for the identification of freshwater snails from Senegal, including intermediate hosts of schistosomes. **PLoS Negl Trop Dis**. 2021;15(9):e0009725.
- Ouarti B, Laroche M, Righi S, Meguini MN, Benakhla A, Raoult D, Parola P. Development of MALDI-TOF mass spectrometry for the identification of lice isolated from farm animals. **Parasite**. 2020;27:28.
- Diarra AZ, Laroche M, Berger F, Parola P. Use of MALDI-TOF MS for the Identification of Chad Mosquitoes and the Origin of Their Blood Meal. **Am J Trop Med Hyg** 2019;100:47-53.
- Laroche M, Almeras L, Pecchi E, Bechah Y, Raoult D, Viola A, Parola P. MALDI-TOF MS as an innovative tool for detection of Plasmodium parasites in Anopheles mosquitoes. **Malar J** 2017;16:5.
- Dieme C, Bechah Y, Socolovschi C, Audoly G, Berenger JM, Faye O, Raoult D, Parola P. Transmission potential of Rickettsia felis infection by Anopheles gambiae mosquitoes. **Proc Natl Acad Sci U S A**. 2015;112:8088-93.