

Alice Sanna

Public health physician and epidemiologist, with a career path combining health surveillance, public policy management and scientific research. Experience in national and regional health institutions, in international organizations, but also in a field intervention research project in a complex cross-border and multi-partner context.

2021 - 2024

PhD - Clinical research, technological innovation, public health

Université de Guyane (France)

2015-2016

Master in Public Health

Université Paris Saclay (France)

2012-2016

Specialty training in Public Health and Social Medicine

Université Paris Est – Créteil (France)

2004-2011

Medical school

Università di Pisa (Italy)

Medical sciences Honours Course

Scuola Superiore Sant'Anna - Pisa (Italy)

- Analytical mindset and rigorous approach
- Ability to develop and propose a strategic vision
- Good ability to coordinate partners in a multi-institutional and multicultural context
- Ability to adapt to a wide range of living and working environments
- Teamwork and team management

IT:

- Mastery of Office package
- Mastery of R and R-Studio
- Bases: STATA 12 and LaTeX

Languages:

- Italian (mother tongue)
- French: C2
- Brazilian Portuguese: C2
- English: B2
- Spanish: elementary

Oct 2020 – ongoing

CUREMA project coordinating investigator.

Cayenne Hospital (French Guiana, France) / FIOCRUZ-IOC (Brazil)

Design and evaluation of a public health intervention aiming to eliminate *Plasmodium vivax* from a mobile, hard-to-reach population in the Amazon rainforest ([website](#)). International research project (French Guiana, Suriname, Amapá) supported by the malaria elimination programs of the three territories and by the European Regional Development Fund - Inter-Amazonian Cooperation Program.

Oct 2021 - Dec 2022

Consultant

Pan-American Health Organization (Amapá, Brazil)

Technical support to the state of Amapá during the covid-19 pandemic. Health surveillance and cross-border health cooperation.

Dec 2016 - Sept 2020

Public health practitioner

French Guiana Regional Health Agency (French Guiana, France)

Initially recruited as a public health physician in charge of vector-borne diseases and cross-border cooperation. From 2018, head of the health surveillance unit (5 team members, detection of health alerts and response) and deputy to the director of public health. From September 2019 to March 2020, acting director of public health (30 team members, management of prevention and health promotion regional policies).

Nov 2012 - Oct 2016

Specialty training in public health and social medicine
Assistance publique - Hôpitaux de Paris (France)

Six-months rotations at the following institutions:

- Médecins du Monde (Paris, Kinshasa-DRC)
- Institut de Recherche pour le Développement UMR 216 (Cotonou-Benin)
- Ministry of Health – Directorate general of health (Paris)
- Santé publique France - Alerts and Regional Coordination Department and Infectious Diseases Department (Paris)
- Hôpital Saint Louis, Biostatistics Department (Paris)
- Hôpital Henri Mondor - mobile antibiotic stewardship team (Créteil).

Main articles

- Douine M, Korsec V, [Sanna A](#), Plessis L, Bardon T, Adenis A, Nacher M, Suarez-Mutis M, Vreden S, Mathieu O, Lambert Y. **Prevalence of lead poisoning among artisanal gold miners in French Guiana in 2022.** *BMC public health*, 25(1), 2768.
- [Sanna A](#), Lambert, Y., Pelleau, S., Musset, L., Lazrek, Y., Hureau, L., Cairo, H., Vreden, S., White, M., & Douine, M. (2025). **Assessment of *Plasmodium vivax* transmission and asymptomatic carriage risk among artisanal gold miners in western French Guiana, 2014-2020.** *Infectious diseases of poverty*, 14(1), 40.
- Lambert, Y., Métras, R., [Sanna A](#), Galindo, M., Hiwat, H., Marchesini, P., Lazrek, Y., Musset, L., Vreden, S., Suárez-Mutis, M. C., Lapouble, O. M., Adenis, A., Nacher, M., Boëlle, P. Y., Poletto, C., & Douine, M. (2025). **Evaluating the impact of the Malakit intervention on malaria transmission in the Guiana Shield: a mathematical modelling study.** *Lancet regional health. Americas*, 47, 101123.
- Douine, M., Lambert, Y., Plessis, L., Bardon, T., Adenis, A., Nacher, M., Suarez-Mutis, M., Vreden, S., Mathieu, O., & [Sanna A](#). (2025). **A cross-sectional study assessing mercury exposure and poisoning among workers in informal gold mines in French Guiana.** *BMJ open*, 15(4), e094535.
- [Sanna A](#), Suárez-Mutis M, Lambert Y, Carvalho L, Cairo H, Cox H, de Bort C, Gomes do Socorro Mendonça M, Forero-Peña DA, Gabaldón-Figueira JC, Grillet ME, Klein F, Lazarus C, Lazrek Y, Louzada J, Malafaia D, Marchesini P, Musset L, Oliveira-Ferreira J, Peterka C, Rousseau C, Roux E, Villegas L, Vreden S, Wiedner-Papin S, Laporta GZ, Hiwat H, Douine M. **Cooperation for malaria control and elimination in the Guiana Shield.** *Lancet Glob Health*. 2024 May;12(5):e875-e881.
- [Sanna A](#), Lambert, Y., Jimeno Maroto, I., Galindo, M. S., Plessis, L., Bardon, T., Carboni, C., Bordalo, J., Hiwat, H., Cairo, H., Musset, L., Lazrek, Y., Pelleau, S., White, M., Suárez Mutis, M., Vreden, S., & Douine, M. (2024). **CUREMA project: a further step towards malaria elimination among hard-to-reach and mobile populations.** *Malaria journal*, 23(1), 271.
- Jimeno-Maroto, I., Galindo, M. S., Miller, J. B., Lambert, Y., Carboni, C., Bardon, T., Plessis, L., Vreden, S., Suarez-Mutis, M., Douine, M., & [Sanna A](#). (2024). **Community engagement in mobile and hard-to-reach populations: a community-based intervention for malaria elimination in a tri-national region of the Guiana Shield.** *Frontiers in public health*, 12, 1377966.
- Carboni, C., Maroto, I. J., Galindo, M., Plessis, L., Lambert, Y., Bardon, T., Vreden, S., Suárez-Mutis, M., Bordalo, J. M., Douine, M., & [Sanna A](#). (2024). **Training-of-trainers program for community health workers involved in an innovative and community-based intervention against malaria among goldminers in the Guiana shield: a quality and effectiveness evaluation.** *Frontiers in public health*, 11, 1306432.
- Douine, M., Lambert, Y., Galindo, M. S., Jimeno Maroto, I., Bardon, T., Plessis, L., Mutricy, L., Bordallo-Miller, J., Nacher, M., Adenis, A., Cairo, H., Hiwat, H., Vreden, S., Carboni, C., [Sanna A](#), & Suarez-Mutis, M. (2024). **Core principles of Malakit intervention for transferability in other contexts.** *Malaria journal*, 23(1), 185.
- Douine M, Lambert Y, Plessis L, Jimeno I, Galindo M, Bardon T, Le Tourneau FM, Molinié P, Vié A, Adenis A, Nacher M, Figueira da Silva A, Vreden S, Suarez-Mutis MC, [Sanna A](#). **Social determinants of health among people working on informal gold mines in French Guiana: a multicentre cross-sectional survey.** *BMJ Glob Health*. 2023 Dec 16;8(12):e012991.
- Longchamps C, Galindo MS, Lambert Y, [Sanna A](#), Mutricy L, Garancher L, Adenis A, Nacher M, Suarez-Mutis M, Cairo H, Hiwat H, Vreden S, Douine M. **Impact of Malakit intervention on perceptions, knowledge, attitudes, and practices related to malaria among workers in clandestine gold mines in French Guiana: results of multicentric cross-sectional surveys over time.** *Malar J*. 2022 Dec 28;21(1):397.
- Douine M, Lambert Y, Galindo MS, Mutricy L, [Sanna A](#), Peterka C, Marchesini P, Hiwat H, Nacher M, Adenis A, Demar M, Musset L, Lazrek Y, Cairo H, Bordalo Miller J, Vreden S, Suarez-Mutis M. **Self-diagnosis and self-treatment of malaria in hard-to-reach and mobile populations of the Amazon: results of Malakit, an international multicentric intervention research project.** *The Lancet Regional Health - Americas*, Volume 4, 2021,100047.
- Andronico A, Tran Kiem C, Paireau J, Succo T, Bosetti P, Lefrancq N, Nacher M, Djossou F, [Sanna A](#), Flamand C, Salje H, Rousseau C, Cauchemez S. **Evaluating the impact of curfews and other measures on SARS-CoV-2 transmission in French Guiana.** *Nat Commun*. 2021 Mar 12;12(1):1634.
- Douine M, Lambert Y, Musset, L. Hiwat H, Reis Blume L, Marchesini P, Gilmar Moresco G, Cox H, Sanchez JF, Villegas L, Pommier de Santi V, [Sanna A](#), Vreden S, Suarez-Mutis M. **Malaria in Gold Miners in the Guianas and the Amazon: Current knowledge and challenges.** *Curr Trop Med Rep* 7, 37-47 (2020).
- [Sanna A](#), Andrieu A, Carvalho L, Mayence C, Tabard P, Hachouf M, Cazaux CM, Enfissi A, Rousset D, Kallel H. **Yellow fever cases in French Guiana, evidence of an active circulation in the Guiana Shield, 2017 and 2018.** *Euro Surveill*. 2018 Sep;23(36).
- Douine M, [Sanna A](#), Galindo M, Musset L, Pommier de Santi V, Marchesini P, Magalhaes ED, Suarez-Mutis M, Hiwat H, Nacher M, Vreden S, Garancher L. **Malakit: an innovative pilot project to self-diagnose and self-treat malaria among illegal gold miners in the Guiana Shield.** *Malar J*. 2018 Apr 10;17(1):158.
- Vandentorren S, Pirard P, [Sanna A](#), Aubert L, Motreff Y, Dantchev N, Lesieur S, Chauvin P, Baubet T. **Health Care provided & Psychological, somatic and social impact on people involved in terror attacks in January 2015 in Paris: results of the I.M.P.A.C.T.S. study.** *Br J Psychiatry*. 2018 Apr;212(4):207-214.
- [Sanna A](#), Le Strat Y., Roudot-Thoraval F., Deuffic Burban S., Carrieri P., Delarocque-Astagneau E., Larsen C. **Severe liver disease related to chronic hepatitis C virus infection in treatment-naïve patients: epidemiological characteristics and associated factors at first expert centre visit, France, 2000 to 2007 and 2010 to 2014.** *Eurosurveillance*. 2017;22(30):30582