

Makhtar NIANG, MSc, PhD



Research Scientist
Department of Immunophysiopathology
& Infectious Diseases
Institut Pasteur de Dakar, Sénégal

Dr Niang is a molecular parasitologist by training and he holds a Research Scientist (Chargé de Recherche in French) position at Institut Pasteur de Dakar, Senegal. His field of specialization, coupled with traineeship experiences, is broad-based and inclusive of several focus areas relevant to genomics, particularly molecular parasitology and host parasite interactions. His training is multi-disciplinary, cross-cultural (Africa, Asia, America, Europe) and involves extensive interactions with diverse teams and individuals.

His current research activities are centered on the development and validation of highly sensitive field and laboratory-based multiplex molecular diagnostics for the simultaneous detection of malaria and Neglected Tropical Diseases pathogens from a single sample, to ultimately improve the control and elimination of their associated diseases.

Dr Niang's current roles involve the scientific and administrative management of four major fundings (EDCTP, ~500 000€; ERC, ~375 000€; PATH, ~150 000\$; and ROTARY, 80 000€), all focused on innovative diagnostics and genomics approaches towards the detailed understanding pathogen's infections, and how the knowledge gained can contribute towards the design of elimination interventions. Dr Niang is currently leading a group of 2 postdocs, 2 PhD students, 1 master student, 1 bachelor internship, and 4 research technicians.