

IMMUNOLOGIST, PhD

CURRENT POSITION

Your research Institut is looking for a Postdoc to work in an immunologic research topic of malaria or another infectious disease.

I defended my thesis in the Department of Human Parasitology at the University of Tuebingen (Germany) under the supervision of Professor Elie Mavoungou, in July 2008.

Available immediately, at this point in my career, I am seeking a position that will provide me with an excellent environment for my intellectual and professional growth.

My previous research experience based on malaria allowed me to acquire competences, statecraft and a real experience as well in the project management as in the training of students. I was particularly involved in the immunology (evaluation of cellular and humoral specific immune responses, cell culture, and cytokine quantifications) and molecular biology (genotyping and sequencing) research. My accomplishments resulted in seven publications "in peer-review papers".

PROFESSIONAL FORMATION

- 2009 **Clinical Research Associate, Professional and Operational formation, CLINACT, Sèvres, France.**
- 2008 **PhD dissertation in Biology, (Specific immune responses to different malarial antigens and assessment of immune mechanisms in Gabonese individuals), Eberhard Karls, University of Tuebingen, Germany.**
- 2007 **Conference, Results from Clinical Development and Trials of Malaria Interventions, Zanzibar, Tanzania.**
- 2006 **Cours de spécialité en immunologie des maladies infectieuses, Dakar, Sénégal.**
- 2004 **Workshop on Basics of Good Clinical Practice for Researchers, Bagamoyo, Tanzania.**
- 2003 **Workshop on data management as an essential tool for studies on the immunology and pathogenesis of malaria, Ibadan, Nigeria.**

1993, 1995, 1996, 2000 Political disturbances.

PROFESSIONAL EXPERIENCE

- 2008-2009 ***Postdoc-Unité de Recherches Médicales, Lambaréné, Gabon.***

Research topic: Randomised controlled trial to evaluate the Safety and Immunogenicity of recombinant *Lactococcus lactis* hybrid GMZ 2 [GLURP + MSP 3] blood stage malaria vaccine versus rabies vaccine in healthy Gabonese adult Volunteers.

Competences: Transfer of techniques on the assessment of the cellular and the humoral immune responses.

2007 **Training-Universita' degli studi di Torino, Dipartimento di Genetica, Biologia e Biochimica, Torino-Italy.**

Research topic: use of Flow Cytometry and Luminometer.

Competences: phagocytosis assay (analysis and interpretation of results), analysis of cell surface markers.

2004-2005 **PhD student-Eberhard Karls University, Tuebingen, Germany - Unité de Recherches Médicales, Lambaréné, Gabon.**

Research topic: multi-centric project: "The validation of asexual blood stage antigens as putative malaria vaccine candidate molecules using standardized assays [a concerted African approach (Afro-Immuno Assay)]".

Competences: protocol writer, study designer, quantification, analyses and interpretation of *P. falciparum* antigen-antibody responses and the establishment of networks.

2003-2004 **PhD student-Centre d'Etudes sur les Ressources Végétales (CERVE), Brazzaville, Republic du Congo.**

Research topic: assessment of efficacies of anti-malarial drugs [Arsucam (Artesunate+Amodiaquin), Chloroquine and Pyriméthamine- Sulfadoxine] for the treatment of uncomplicated *falciparum* malaria in patients aged up to 5 months.

Competences: parasite genotyping, parasite culture, care of patient axillary temperature, preparation and coloration of thick and thin blood smears, identification and count of *Plasmodium* species, evaluation of the treatment outcome.

WORKING LANGUAGES



English (everyday), **French** (bilingual), **German** (intermediate).

PUBLICATIONS

- 1- Mewono Ludovic, Agnandji Selidji T, **Matondo Maya Davy W**, Nkoma Anne-Marie, Iroungou Berthe A, Issifou Saadou, Kremsner Peter G. Malaria Antigen-Mediated Enhancement of Interleukin-21 responses of Peripheral Blood Mononuclear Cells in African Adults. Exp Parasitol. 2009 May; 122(1):37-40. Epub 2009 Jan 20.
- 2- **Davy W. Matondo Maya**, Ludovic Mewono, Anne-Marie Nkoma, Saadou Issifou, Elie Mavoungou.

Markers of vascular endothelial cell damages and *P. falciparum* malaria: associations between levels of both sE-Selectin, Thrombomodulin and cytokines, hemoglobin and clinical presentation.
Eur Cytokine Netw. 2008 Sep; 19(3):123-30.

- 3- Ludovic Mewono*, **Davy Wenceslas Matondo Maya***, Pierre-Blaise Matsiegui, Selidji T. Agnandji, Eric Kendjo, Fortune Barondi, Saadou Issifou, Peter G. Kremsner, Elie Mavoungou.
Interleukin-21 is associated with IgG1 and IgG3 antibodies to erythrocyte-binding antigen-175 peptide 4 of *Plasmodium falciparum* in Gabonese children with acute *falciparum* malaria.
Eur. Cytokine Netw. 2008 Mar; 19(1):30-6.
- 4- Ndounga M, Mayengue PI, Tahar R, Casimiro PN, **Matondo Maya DW**, Miakassissa-Mpassi V, Malonga DA, Nsonde-Ntandou F, Mallanda G, Ringwald P, Basco LK, Ntoumi F.
Efficacy of sulfadoxine-pyrimethamine, amodiaquine, and sulfadoxine-pyrimethamine-amodiaquine combination for the treatment of uncomplicated *falciparum* malaria in the urban and suburban areas of Brazzaville (Congo).
Acta Trop. 2007 Sep; 103(3):163-71.
- 5- **Davy W. Matondo Maya**, Elie Mavoungou, Philippe Deloron, Michael Theisen, Francine Ntoumi.
Distribution of IgG subclass antibodies specific for *Plasmodium falciparum* glutamate-rich-protein molecule in sickle cell trait children with asymptomatic infections.
Experimental Parasitology 112 (2006) 92 – 98.
- 6- Ntoumi F, Flori L, Mayengue PI, **Matondo Maya DW**, Issifou S, Deloron P, Lell B, Kremsner PG, Rihet P.
Influence of Carriage of Hemoglobin AS and the Fc gamma Receptor IIa-R131 Allele on Levels of Immunoglobulin G2 Antibodies to *Plasmodium falciparum* Merozoite Antigens in Gabonese Children.
J Infect Dis. 2005 Dec 1; 192(11):1975-80.
- 7- Mayengue PI, Ndounga M, **Davy Matondo Maya**, Tandou N, Ntoumi F.
In vivo chloroquine resistance and prevalence of the pfcr1 codon 76 mutation in *Plasmodium falciparum* isolates from the Republic of Congo.
Acta Trop. 2005 Sep; 95(3):219-25.

* ***These authors contributed equally to the study.***