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Education/Training

- Medical Doctor (MD); 1988; Univ. Bordeaux II, France.
- PhD in Epidemiology and Public Health Interventions; 1998; Univ. Bordeaux II, France
- Habilitation (HDR); 2001; Univ. Aix-Marseille II, France
- DEA (Master) in Epidemiology and Public Health Interventions ; 1993; Univ. Bordeaux II, France;
- DEA (Master) in Microbiology, Cellular Biology and Structural Biology; 1998; Univ. Aix-Marseille II, France
- Degrees of Pasteur Institute (Paris, France) in Medical entomology (1992, major), general Microbiology (1999), Molecular biology of the cell (2000) and General immunology (2002).
- Course « Epidemiology and control of infectious diseases » ; 2006; Imperial College, London, UK.

Positions

- 2009-Present: Chief of the Field Infectiology Department of the Institute for Biomedical Research of the French Army, Marseille, France.
- 2004-Present: Chief of the Parasite Biology and Epidemiology Research Unit of the Institute for Biomedical Research of the French Army, Marseille, France.
- 1997-2004: Research Assistant in the Parasitology Unit of the Tropical Medicine Institute of the French Military Health Service, Marseille, France.
- 1989-1996: Chief of the Malaria Epidemiology Laboratory, Pasteur Institute of Dakar, Senegal.

Research activities

Since 1998, involved in more than 17 research projects on malaria and other infectious diseases, and in the raising of more than 3.6 million €.

Since 2002, raised 2.995 million €. As principal investigator for 6 research projects (with a total budget of 911 k€) and as major contributor to 7 research projects (*i.e.* supervisor of the principal investigator or responsible of a major work-package; with a total budget of 2,084 k€).

Publications (26th May 2010)

- 205 publications in peer-reviewed journals, mainly in the field of malariology and infectious diseases (epidemiology, *in vitro* drug evaluation, drug resistance, drug use, molecular biology, immunology, entomology). H-index : 29
- 5 representative recent publications :
 1. Briolant S, Wurtz N, Zettor A, Rogier C, Pradines B. Susceptibility of Plasmodium falciparum isolates to doxycycline is associated with pftetQ sequence polymorphisms and pftetQ and pfmdt copy numbers. J Infect Dis. 2010;201:153-9.
 2. Almeras L, Fontaine A, Belghazi M, Bourdon S, Boucomont-Chapeaublanc E, Orlandi-Pradines E, Baragatti M, Corre-Catelin N, Reiter P, Pradines B, Fusai T, Rogier C. Salivary gland protein repertoire from Aedes aegypti mosquitoes. Vector Borne Zoonotic Dis. 2010;10:391-402.
 3. Machault V, Orlandi-Pradines E, Michel R, Pages F, Texier G, Pradines B, Fusai T, Boutin JP, Rogier C. Remote sensing and malaria risk for military personnel in Africa (Reprinted). Journal of Travel Medicine. 2008;15:216-20.

4. Gardella F, Assi S, Simon F, Bogreau H, Eggelte T, Ba F, Foumane V, Henry MC, Kientega PT, Basco L, Trape JF, Lalou R, Martelloni M, Desbordes M, Baragatti M, Briolant S, Almeras L, Pradines B, Fusai T, Rogier C. Antimalarial drug use in general populations of tropical Africa. *Malar J*. 2008;7.
5. Roussilhon C, Oeuvray C, Muller-Graf C, Tall A, Rogier C, Trape JF, Theisen M, Balde A, Perignon JL, Druilhe P. Long-term clinical protection from falciparum malaria is strongly associated with IgG3 antibodies to merozoite surface protein 3. *Plos Medicine*. 2007;4:1791-803.

Experience as consultant, expert or scientific director

- President of the scientific committee of the master plan for malaria control of the French armies in charge of the prioritization, the programming and the funding of the R & D in the field of malariology (since 2007; budget 2007-2010 : 1.65 million €)
- President of the scientific committee of the multidisciplinary program on avian influenza of AIRD (Resources agency of the Institute for Research for Development; 2007-2009, budget : 1.37 million €; 3 axes : virology & treatments, environment & transmission, social sciences).
- Member of the CSS2 (Specialized scientific commission for biological and medical sciences, IRD) and CSS5 (commission for immunology, infectious diseases and hematology, INSERM). Since 2008.
- Member of the expert committee of the Institute of Microbiology and Infectious Diseases (IMMI, thematic Institute of l'INSERM, since 2008)
- Member of evaluation committees of the French national agency for the evaluation of the research (AERES; evaluation of research units, 2009-2010)
- Member (2007-2009) of the evaluation committee of the MIE program (Infectious diseases and their environment) of the ANR (French National Research Agency, funding of research projects)
- Member of the Clinical Development Team for AMA-1 candidate malaria vaccine. African Malaria Network Trust (AMANET). Since 2005 and member of the "Scientific Advisory Panel" of AMANET since 2002
- Member or president of data and safety monitoring boards (DSMB) :
 - 2005-2007, member of the DSMB of a Phase 1b AMA-1 malaria vaccine trial in Mali for AMANET (African Malaria Network Trust, ex African Malaria Vaccine Testing Network),
 - 2006-present, member of the DSMB of the clinical trials of Ferroquine for the treatment of malaria for SANOFI-AVENTIS
 - 2008-2010, member of the DSMB of a Phase 2b MSP3 malaria vaccine trial in Mali for AMANET,
 - 2008-present, president of the DSMB of the "Large-scale implementation of Intermittent Preventive Treatment in Children Delivered through Health Services with Community Participation in the Sahel, and evaluation of its public health impact and cost effectiveness" (PSP-Senegal) by University C.A.Diop of Dakar and London School of Hygiene and Tropical Medicine, London (funded by the Bill & Melinda Gates Foundation).
- Contributor to several international guidelines :
 - Revision of the WHO guidelines for the evaluation of Plasmodium falciparum vaccines in populations exposed to natural infection (UNDP/World Bank/WHO Special Programmes for Research and Training in Tropical Diseases) in 1996.
 - WHO Technical Meeting on the Evaluation of Malaria Vaccines. 2004 & 2006.
 - Methods and techniques for clinical trials on antimalarial drug efficacy: Genotyping to identify parasite populations: informal consultation organized by the Medicines for Malaria Venture and cosponsored by the World Health Organization, 2007.
 - Phase II Workshop of the European Malaria Vaccine Initiative (EMVI). 2004.
- Audit of research centres or units for AMANET, SANOFI, French Ministry of Foreign and European Affairs & DNDI Foundation.
- Technical coordinator of the Steering Committee of the Technical-Operational Study (TOS) of the General Delegation for Armaments (DGA) on mathematical modeling of epidemics (MODEP) & writing technical specifications clauses of this TOS. Paris, 2004-2005.
- Member of the Editorial board of "Malaria journal" (the journal with the highest impact factor in the fields of malariology and tropical diseases)

- Reviewer for many international scientific journals (Acta tropica, American Journal of Tropical Medicine and Hygiene, Antimicrobial Agents and Chemotherapy, Clinical Infectious Diseases, Clinical Microbiology and Infection, Emerging Infectious Diseases, European Journal of Epidemiology, Infection Genetics & Evolution, Journal of Clinical Microbiology, Journal of Infectious Diseases, Journal of Travel Medicine, Microbs & Infection, Nature Biotechnology, PLoS Neglected Diseases, Transactions of the Royal Society of Tropical Medicine and Hygiene, Trends in Parasitology, Tropical Medicine and International Health, ...) and scientific book editors (IRD editions)

Scientific animation

- President of EPITER, an international association for the development of field epidemiology (since 2003; Annual budget : 70,000€).
- Organization of several scientific meetings and international congress (e.g. president of the organization committee of the International congress of epidemiology ADEL-EPITER "from North to the South" in Marseille, France, September, 15-17 2010; Budget : 200,000 €).
- Organisation of conferences, "The seminars of Pharo", (Budget : 22,715€/3 years; Funded by DGA – Ministry for Defense), 2001 – 2003.

Teaching

- Coordinator (since 2008) & teacher for an University degree in Malaria control (3 weeks course) of the Univ. Aix-Marseille II, France; 2001-2010.
- Coordinator (since 2008) & teacher for the Continuing Medical Education on "Malaria control in the French armies" (1 week course, 2001-2008)
- Coordinator & teacher for a course on "Clinical and epidemiological evaluation of malaria vector control" (1 week course; Centre Muraz, Bobo-Dioulasso, Burkina-Faso 2003; IRSP, Ouidah, Bénin 2008)
- Teacher for the "Master in research on communicable and tropical diseases" (Univ. Aix-Marseille II, France; 2001-2010), the "Inter-university degree in tropical medicine and health" (Univ. Aix-Marseille II, France; 2003-2010), the "International course of vaccinology" (Paris, France ; 2007-2010), the Initial training of medical residents of the French armies on "Critical reading in medical sciences" and "Methodology in clinical research" (Marseille, Bordeaux & Lyon, France ; 2007-2010), the degree of Pasteur Institute in "Circulation of infectious agents and risk control" (Paris, France ; 2008-2010), the degree of Pasteur Institute in "Medical entomology" then "Arthropod Vectors and Human Health" (Paris, France ; 1998-2008), the "WHO / TDR Course of specialization in immunology, vaccinology and biotechnology applied to infectious diseases" (Lausanne, Switzerland ; 2007), the degree in "Prevention of Communicable Diseases" (University of Paris VII) and the "Capacity in Tropical Medicine" (University of Paris V)(1998-2007), the "International workshop on malaria - Institut Pasteur of Madagascar" (Tananarivo, Madagascar; 2003 & 2005), the "Workshop on mathematical modeling of malaria" (Yaoundé, Cameroon ; 2000 & 2003), the degree of Pasteur Institute in "Ecology of parasitic systems" (Paris, France ; 1999), the degree of Pasteur Institute in "Tropical microbiology" (Paris, France ; 1999).

Thesis supervision and evaluation

Director of the researches of 5 PhD students, 3 MD students and 13 master students (communicable and tropical diseases; epidemiology and public health).

President or member of thesis committee for the evaluation of 20 PhD and MD thesis.

Honors

- Légion d'Honneur (Legion of honor, highest French order, as knight), 2010.
- Ordre national du mérite (National Order of Merit, as knight), 2002.
- Ordre national du Lion (National Order of the Lion, highest Senegalese order, as knight), 1996.
- Silver medal for scientific works, Military Health Service (MoD), 2006.
- Price of the Dr. Albert DUBOIS Foundation for Tropical Medicine (period 1995-1999) at the Royal Academy of Medicine of Belgium, 2000.