



PERSONAL INFORMATION

ROBERT, Vincent



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 Vincent.Robert@ird.fr

Sex: Male Date of birth: 01/09/1956 Nationality: French

POSITION

Senior Researcher, specialist in Medical Entomology and Parasitology. With primary interest in human diseases transmitted by mosquito vectors: malaria and arbovirolosis.

Permanent position, Director of research (1st class), at the French National 'Institut de Recherche pour le Développement' <www.ird.fr>

WORK EXPERIENCE

- From 2009 Researcher, Centre IRD, Montpellier, France
- 2008-2008 Researcher, Museum National d'Histoire Naturelle, Paris, France
- 2000-2004 Researcher, Institut Pasteur de Madagascar, Antananarivo, Madagascar
- 1993-2000 Researcher, Centre ORSTOM, Dakar, Senegal
- 1989-1993 Researcher, Organisation de Coordination dans la lutte contre les grandes endémies en Afrique Centrale (OCEAC), Yaounde, Cameroon
- 1982-1988 Researcher, Organisation de coordination et de coopération pour la lutte contre les grandes endémies en Afrique de l'Ouest, Centre Muraz, Bobo-Dioulasso, Burkina Faso
- 1980-1981 Researcher, Institut Pasteur de Dakar, Dakar, Senegal

Altogether, he has worked in more than 20 countries in three continents.

EDUCATION AND TRAINING

- 1994 Habilitation to Direct Researches (accreditation to lead scientific researches in French universities) – University Paris 6
- 1989 PhD thesis in Medical Entomology on Malaria transmission – University Paris 6
- 1982 Certificate of statistics applied to biology and medicine – University Paris 6
- 1979 Diploma d'Etudes Approfondies (DEA) of Embryology – University Paris 6
- 1978 Master ('maîtrise') of Animal Biology (Option research) – University Paris 6
- 1977 Supplementary certificate of Insect Biology – University Paris 6

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

English

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Scientific competencies

- Bio-ecology of mosquito vectors, especially in Africa, Madagascar and Islands of South-western Indian Ocean, and Euro-Mediterranean areas
- Gametocyte stage of *Plasmodium falciparum* in man
- Vector-parasites relationships, especially malaria parasites and anopheline mosquitoes
- Practical estimation of malaria transmission in field conditions
- Control of vector borne diseases, particularly through insecticide impregnated bed-net
- Malaria and arbovirose diseases in Africa, Madagascar and Euro-Mediterranean areas
- Biodiversity in the Isles of South-western Indian Ocean

Team leader

- Head of laboratory, Unit or Research group, in successive positions:
- IRD Research Unit Malaria (Yaounde, Dakar, Bobo-Dioulasso, Montpellier;1990-1994)
 - Laboratory of Paludology (Dakar; 1997-2000)
 - Medical Entomology Unit (Antananarivo; 2000-2004)
 - 'Vector-Pathogen Interactions' Research Group (Paris and Montpellier; 2006-2009)

Teaching charges

Direction of teaching : **Co-Director of the Course Pasteur-IRD** "Insect vectors and transmission of pathogenic agents". Course of 9 weeks, venue at the Institut Pasteur, Paris, for 15-20 students, in 2008 and 2011. Course of 4 weeks, in 2016 (March 07- April 01) and 2018 (03-27 April) <http://www.pasteur.fr/en/teaching/institut-pasteur-courses/epidemiology-and-public-health-theme/insectes-vecteurs-transmission-d-agents-pathogenes>

Organisation of workshops : Foundating member of the Malaria Workshop team at the Institut Pasteur of Madagascar. Responsible of the week "Transmission and epidemiology" in 2003, 2004, 2006, 2007, 2009, 2011 and 2013

Various university teaching : especially in Universities of Montpellier and Marseille

Expertises

Red (health) expert in 'Case Studies on the Use of the Green, White, Blue and Red Biotechnologies in Five African Countries: A Contribution to Discussion of Possible Future European Support for Biotechnology in Developing Countries' - **European Commission – ECART-EEIG contract 210-719; June 18, 2010.**

Mission of evaluation of 'Service de lutte antivectorielle' in Mayotte, France, query of DASS, France; Oct 2008

Mission of evaluation of the mosquito control in French Guyana, query of the Ministry of Health, France; May 2004

Mission on malaria resistance and mosquito vectors in the Island of Grande Comore, query of the Ministry of health, Comoros; March 2001, January 2003

Major discovery

He belonged to the team that, for the first time, demonstrated the huge entomological impacts of pyrethroid impregnated bednets against anopheline mosquitoes and malaria transmission.

Other skills

President of the scientific committee of the E-SOVE (European Society for Vector Ecology) 18th International Conference, Montpellier-France. From biology to integrated control in a changing world; October 8-11, 2012 www.esove2012.eu/

WP leader – Medical Entomology in the **European Project ' MediLabSecure'** (2014-2018) IFS/2013/330 961 Project 37. Project with 19 beneficiary countries (North Africa, Middle-East, Black Sea, Balkans). Coordinating tenderer: Institut Pasteur de Paris.

Expert – Mosquito Group in the **European Project ' VectorNet'** (2014-2018) OC/EFSA/AHAW//2013/02. A network for sharing data on the geographic distribution of arthropod vectors, transmitting human and animal disease agents. Coordinating tenderer: Avia-GIS, Antwerpen.

Driving licence

A (motorcycle) and B (car)

 ADDITIONAL INFORMATION

Publications

He published 3 books , > 200 articles in international peer-reviewed journals (H factor = 30) and > 20 book-chapters.

Examples of publications

→ Books

Duvallet G, Fontenille D & **Robert V** (Eds)– *Entomologie médicale et vétérinaire*. IRD Editions, 2017, 687 pp.

Carnevale P & **Robert V** – *Les anophèles : biologie, transmission du Plasmodium et lutte antivectorielle*. IRD Editions, 2009, 391 pp.

→ Scientific articles

Robert V, Günay F, Le Goff G, Boussès P, Sulesco T, [...], Petrić D, Schaffner F. Distribution chart for Euro-Mediterranean mosquitoes (western Palaearctic region). *Journal of the European Mosquito Control Association*, 2019, 37:1-28.

Jourdain F, Picard M, Sulesco T, [...] & **Robert V**. Identification of mosquitoes (Diptera: Culicidae): an external quality assessment of medical entomology laboratories in the MediLabSecure network. *Parasites & Vectors*, 2018, **11**: 553.

Tandina F, Doumbo O, Yaro AS, Traoré SF, Parola P & **Robert V** - Mosquitoes (Diptera: Culicidae) and mosquito-borne diseases in Mali, West Africa. *Parasites and Vectors*, 2018, **11**:467.

Failloux AB, Bouattour A, Faraj C, [...] & **Robert V** - Surveillance of arthropod-borne viruses and their vectors in the Mediterranean and Black Sea regions within the MediLabSecure network. *Current Tropical Medicine Reports*, 2017, **4**:27-39.

Akiner MM, Demirci B, Babuadze G, **Robert V**, Schaffner F - Spread of the invasive mosquitoes *Aedes aegypti* and *Aedes albopictus* in the Black Sea region increases risk of chikungunya, dengue, and Zika outbreak in Europe. *PLoS Neg Trop Dis*, 2016, **10**(4): e0004664.

Le Goff G, Goodman SM, Elguero E & **Robert V** – Survey of the mosquitoes (Diptera: Culicidae) of Mayotte. *PLoS ONE*, 2014, 9(7): e100696.

Le Goff G, Boussès P, Julienne S, Brengues C, Rahola N, Rocamora G & **Robert V** - The mosquitoes (Diptera: Culidae) of Seychelles: taxonomy, ecology, vectorial importance, and identification keys. *Parasites and Vectors*, 2012, **5**, 207.

Robert V, Rocamora G, Julienne S & Goodman S - Why are anopheline mosquitoes not present in the Seychelles? *Malaria Journal*, 2011, **10**, 31.

Black R, Fava F, Mattei N, **Robert V**, Seal S & Verdier V - Case studies on the use of biotechnologies and on biosafety provisions in four African countries. *J Biotechnology*, 2011, **156**: 370-381.

Robert V, Le Goff G, Andrianaiivolambo L, Randimby FM, Domarle O, Randrianariveolosia M, Raharimanga V, Raveloson A, Ravaonjanahary C & Ariey F - Moderate transmission but high prevalence of malaria in Madagascar. *Int J Parasitol*, 2006, **36**: 1273-1281.

Talman AM, Domarle O, McKenzie FE, Ariey F & **Robert V** - Gametocytogenesis: the puberty of *Plasmodium falciparum*. *Malaria Journal*, 2004, **3**, 24.

Paul REL, Ariey F & **Robert V** - The evolution ecology of Plasmodium. *Ecology Letters*, 2003, **6**: 866-880.

Ariey F & **Robert V** - The puzzling links between malaria transmission and drug resistance. *Trends in Parasitology*, 2003, **19**: 158-160.

Robert V, Macintyre K, Keating J, Trape JF, Duchemin JB, Warren M & Beier JC - Malaria transmission in urban sub-saharan Africa. *Am J Trop Med Hyg*, 2003, **68**: 169-176.

Robert V, Awono-Ambéné HP, Le Hesran JY & Trape JF – Gametocytemia and infectivity to mosquitoes of patients with uncomplicated *Plasmodium falciparum* malaria attacks treated with chloroquine or sulphadoxine plus pyrimethamine. *Am. J. Trop. Med. Hyg.*, 2000, **62**: 210-216.

Robert V, Awono-Ambéné HP & Thioulouse J - Ecology of larval mosquitoes, with special reference to *Anopheles arabiensis* (Diptera: Culicidae) in market-garden wells in urban Dakar, Senegal. *J. Med. Entomol.*, 1998, **35**: 948-955.

→ Book chapters

Robert V – Introduction aux arthropodes nuisants, aux vecteurs et aux maladies à transmission vectorielle. In : *Protection personnelle antivectorielle*. Duvallet G & de Gentile L Eds. Coll. Didactiques, Ed. IRD, Marseille, 2012: 25-49.

Lambrechts L, Cohuet A & **Robert V** - Malaria vectors. In : *Encyclopedia of biological invasions*. Simberloff D & Rejmanek M Eds. University of California Press, Berkeley, 2011: 442-445.