
ALBIN FONTAINE



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Published work :

<https://www.webofscience.com/wos/author/record/1311559>



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SKILLS

Sequencing (Illumina, ONT), molecular biology, insect cell culture, arbovirus production, mosquito rearing, vector competence assay. Coding in R and BASH, complex experimental designs, and statistical analyses.

Proficiency with QIIME2 (metagenomic analysis), Plink, CIRCOS, ggplot2 (data visualization). 3D printing.

EXPERIENCE

Researcher / IRBA / Emerging Viruses Unit (UVE)

September 2023 – Present

Development of surveillance strategies for vector-borne diseases based on molecular detection of pathogens in mosquito excretions (Xenosurveillance).

Researcher / French Armed Forces Biomedical Research Institute (IRBA)

September 2016 – September 2023

Evaluation of factors influencing the dynamics of mosquito species' vector competence for viruses.

Development of (new) genotyping strategies for mosquito populations.

Postdoctoral Research / G5 Insect Virus Interactions (Institut Pasteur, Louis Lambrechts)

January 2012 – August 2016

Identification of mosquito genomic regions associated with variation in dengue virus vector competence (quantitative genetics).

Comparison of intra-mosquito dynamics for several dengue virus strains.

PhD / Institute of Tropical Medicine of the French Armed Forces (IMTSSA)

January 2007 – March 2011

<http://www.theses.fr/fr/2011AIX20661>

EDUCATION

2005-2007 Master I&2

Master's in Human Pathology, specialization in Infectious Diseases and Tropical Pathologies, Aix-Marseille University II.

2004-2005 BSc (Hons)

In biological sciences à l'Université de Salford (Manchester, Angleterre)

2002-2004 DUT in Biological Engineering, Aurillac.

47 PUBLICATIONS, 1691 CITATIONS
H-INDEX: 20
