

FAILLOUX Anna-Bella

Directrice de Recherche / Professor

Unit of Arboviruses and Insect Vectors
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EDUCATION

“Habilitation to Direct Research” (HDR), University of Paris XII, France, 2000

PhD « Ecophysiology and Population dynamics of terrestrial invertebrates », 1994

University of Paris XI, France

Dissertation: Genetic variability of *Aedes (Stegomyia) polynesiensis*, Marks, 1951, the vector of the Bancroftian filariasis in French Polynesia

Master of Ecology, 1988

University of Toulouse III, France

PROFESSIONAL EXPERIENCE

2008 - present **Directrice de Recherche**, Dept. of Virology, Institut Pasteur

1998 - 2007 **Chargée de Recherche**, Dept. of Ecology, Dept. of Infection and Epidemiology, Institut Pasteur

1996 - 1997 **Assistante de Recherche**, Dept. of Ecology, Institut Pasteur

1994 - 1996 **Post-doctoral fellow**, Dept. of Ecology, Institut Pasteur (Advisor: Prof. François Rodhain)

1987 - 1993 **Junior entomologist and PhD student**, Institut Louis Malardé, Institut Pasteur Network, French Polynesia (Supervisors: Prof. Nicole Pasteur and Dr. Paul Martin)

RESEARCH FIELDS

2014 Head of the Unit Research and Expertise “Arboviruses and Insect Vectors”, Dept. Virology

Transmission of arboviruses

2011 Head of the Laboratory “Arboviruses and Insect Vectors”, Dept. Virology
Dissecting the changes in mosquito population structure leading to the selection of new viral variants causing new epidemic outbreaks.

chikungunya virus / *Aedes* mosquitoes, dengue viruses / *Aedes* mosquitoes, Rift Valley fever virus / *Culex* mosquitoes, West-Nile virus / *Culex* mosquitoes.

2004 - 2011 Leader of the group “Transmission of arboviruses” in the unit “Molecular Genetics of Bunyaviruses” (M. Bouloy), Dept. Virology, Institut Pasteur
Vector competence and arboviral emergence: Rift Valley fever virus and chikungunya virus.

1994 - 2003 Ecology of Vectorial Systems (F. Rodhain), Dept. Ecology, Institut Pasteur
Population genetics of mosquito vectors in relation with the transmission of flaviviruses, dengue and yellow fever.

- 1987 - 1993:** Institut Louis Malardé, Institut Pasteur International Network (Director: P. Martin)
 Vector competence and genetic differentiation of *Aedes polynesiensis*, the mosquito vector of the causative agent of human lymphatic filariasis, *Wuchereria bancrofti*.

GRADUATE AND POST-DOCTORAL TRAINEES

Post-doctoral trainees (11)

- 2016** **Leen DELANG**, Scientific Research Flanders (FWO)
2015-2017 **Fadila AMRAOUI**, Institut Pasteur (PTR grant)
2014-2017 **Célestine ATYAME**, Axa Research Fund
2014-2016 **Henri JUPILLE**, 7th Framework program (DENFREE)
2014-2015 **Faustine LOUIS**, Emida EraNet (RiftVectors)
2013 **Edwige RANCES**, FP7-REGPOT-2011-1(Stronger)
2012-2015 **Iliaria CASTELLI**, Emida EraNet (RiftVectors)
2011-2014 **Karima ZOUACHE**, 7th Framework program (VECTORIE)
2010 - 2011 **Louis LAMBRECHTS**, “Agence National de la Recherche - Retour Post-doctorants”
2007 - 2009 **Sara MOUTAILLER**, Inkermann Foundation and Duranton de Magny Foundation
2001 - 2002 **Ricardo LOURENCO-DE-OLIVEIRA**, Instituto de Oswaldo Cruz, Brazil, fellowship of the CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior) of Brazil

Doctoral trainees (12)

- 2014-2017** **Pei-Shi YEN**, University of Paris VI, fellowship of Pasteur – Paris University International Doctoral Program, Supervisor: A.-B. Failloux
2012-2015 **Anubis VEGA-RUA**, University of Paris VI, fellowship of the French Ministry of Education and Research, Supervisor: A.-B. Failloux
2010-2013 **Thanyalak FANSIRI**, University of Paris VI, fellowship of the “Agence National de la Recherche”, Co-supervisors: A.-B. Failloux and Louis Lambrechts
2010-2012 **Fadila AMRAOUI**, University of Mhammed V-Agdal, fellowship of the International Division of Institut Pasteur, Co-supervisors: A.-B. Failloux and Mhammed Sarih
2009-2012 **Camilo ARIAS-GOETA**, University of Paris VI, fellowship of the French Ministry of Education and Research, Supervisor: A.-B. Failloux
2007 - 2010: **Estelle MARTIN**, University of Paris VI, fellowship of the Foundation “Odette et Jean Duranton de Magny”, Supervisor: A.-B. Failloux
2006 - 2010 **Ghazi KRIDA**, Institut supérieur agronomique de Chott Mariem, Tunisia, Supervisor: A.-B. Failloux
2003 - 2007 **Sara MOUTAILLER**, University of Paris VI, fellowship of the Foundation Inkermann, Supervisor: A.-B. Failloux
2003 - 2006 **Magda VIEIRA DA COSTA-RIBEIRO**, Instituto Oswaldo Cruz, fellowship of the CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior) of Brazil, Co-supervisors: A.-B. Failloux and Ricardo Lourenço-de-Oliveira,
2001 - 2004 **Thomas GARRIGUES**, National Museum of Natural History, Supervisor: A.-B. Failloux
2000 - 2004 **Christophe PAUPY**, University of Paris VI, fellowship of the “Direction des Affaires Internationales”, Institut Pasteur, Supervisor: A.-B. Failloux
1999 - 2001 **Karine HUBER**, University of Paris XII, fellowship from the French Ministry of Education and Research, Supervisor: A.-B. Failloux

TEACHING

- 2016** **4th ONE-HEALTH COURSE**
Institut Pasteur, “Mosquitoes as vectors of arboviruses”
- 2016** **Infectious Disease Outbreak Investigation Course**
Institut Pasteur, “Mosquitoes in the transmission of arboviruses”
- 2016** **Insect Vectors and Pathogens Transmission**
Institut Pasteur, one month course co-organized by the IP and IRD (directors: FAILLOUX A.-B. and ROBERT V.)
- 2012 - present** **Fundamental Virology Course**
Institut Pasteur, Master 2, “Arboviruses and Mosquitoes”
- 2011, 2014** **HKU-Pasteur Virology Course**
Hong-Kong, “Mosquitoes as host for viruses”
- 2011 - present** **Genetics and Management of Biodiversity**
University of Paris VI, Master 2, “Transmission of arboviruses”
- 2010, 2011** **Zoonosis**
Institut Pasteur, “Mosquito vectors: population genetics and risk factors”
- 2009 - 2011** **Medical Entomology**
IMTSSA, IRBA, Marseille, “Culicidae and transmission of arboviruses”
- 2007** **Emerging Viruses**
Porto Velho, Brazil, “Competence of mosquitoes towards arboviruses”
- 2002** **Optimization of surveillance and control strategies for dengue vectors**
IRD Bangkok, Thailand, “Population genetic studies of *Aedes aegypti* in relation with dengue transmission”
- 1999** **Ecology of Parasitic Systems**
Institut Pasteur, “Population genetics of vectors”
- 1996 - 2004** **Medical Entomology**
Institut Pasteur, “Structure and Control of vector populations: *Aedes aegypti*, the vector of dengue viruses” (exercises), “Epidemiology of filariasis in the Pacific region” (lecture)

PARTICIPATION TO INSTITUTIONAL COMMITTEES

- 2015 - 2019** **Member of the “Comité d’Evaluation du Personnel Scientifique de Recrutement Local - COMEPSRL”**, Institut Pasteur
- 2012 - 2016** **Member of the Scientific Council of IRD** (Institut de Recherche pour le Développement)
- 2012 - 2015** **Member of the Scientific Council of CRVOI** (Centre de Recherche et de Veille sur les maladies émergentes dans l’Océan Indien)
- 2008 - 2012** **Member of the scientific committee on ecological systems** (CSS3 - IRD)
- 2007 - 2008** **Member of the Afssa task group** on “The risk of dissemination of Rift Valley fever in the French overseas departments of the Indian Ocean, La Réunion Island and Mayotte”
- 2006** **Co-organizer of the “Journées Départementales de Virologie”**, Institut Pasteur
- 2004 - 2006** **Co-organizer of the “Club of Virology”**, Institut Pasteur
- 2004 - 2016** **Member of the “Assemblée des 100”**, Institut Pasteur
- 2006 - 2008** **Member of the “Commission de Promotion”**, Institut Pasteur
- 2004 - 2006** **Member of the “Comité d’Evaluation des Activités Scientifiques des Personnels - COMESP”**, Institut Pasteur
- 2002 - 2003** **Acting head of the unit “Ecology of Vectorial Systems”**, Institut Pasteur

2002 – 2003	Member of the IRD task group on dengue in the French overseas departments of America “How to optimize the dengue control?”
2001 - 2005	Member of the “Commission de Classement Inter-Instituts” , Institut Pasteur
1999 - 2003	Member of the Scientific Board of the Institut Pasteur of Ho Chi Minh City
1996 - 2000	Member of the “Commission de Classement du Personnel Scientifique” , Institut Pasteur

PUBLICATIONS

(O) Original paper, (R) Review

Publications in peer-reviewed journals (108)

1. Chouin-Carneiro T, Vega-Rúa A, Vazeille M, Yebakima A, Girod R, Goindin D, Dupont-Rouzeyrol M, Lourenço-de-Oliveira R, **Failloux AB**. 2016. Differential Susceptibilities of *Aedes aegypti* and *Aedes albopictus* from the Americas to Zika Virus. *PLoS Neglected Tropical Diseases* 10(3):e0004543. (O)
2. Vega-Rúa A, Schmitt C, Bonne I, Krijnse Locker J, **Failloux AB**. 2015. Chikungunya Virus Replication in Salivary Glands of the Mosquito *Aedes albopictus*. *Viruses* 7(11):5902-7. (O)
3. **Failloux AB**, Moutailler S. 2015. Zoonotic aspects of vector-borne infections. *Rev Sci Tech*. 34(1):175-83, 165-74. (R)
4. Fros JJ, Geertsema C, Zouache K, Baggen J, Domeradzka N, van Leeuwen DM, Flipse J, Vlak JM, **Failloux AB**, Pijlman GP. 2015. Mosquito Rasputin interacts with chikungunya virus nsP3 and determines the infection rate in *Aedes albopictus*. *Parasites & Vectors* 8:464. (O)
5. Fros J.J., Geertsema C., Vogels C.B., Roosjen P.P., **Failloux A.-B.**, Vlak J.M., Koenraadt C.J., Takken W., Pijlman G.P. 2015. West Nile Virus: High Transmission Rate in North-Western European Mosquitoes Indicates Its Epidemic Potential and Warrants Increased Surveillance. *PLoS Neglected Tropical Diseases* 9(7):e0003956. (O)
6. Kreher F., Tamiotti C., Gomet C., Guillemot L., Ermonval M., **Failloux A.-B.**, Panthier J.J., Bouloy M., Flamand M. 2014. The Rift Valley fever accessory proteins NSm and P78/NSm-GN are distinct determinants of virus propagation in vertebrate and invertebrate hosts. *Emerging Microbes and Infection* 3(10):e71. doi: 10.1038/emi.2014.71. (O)
7. Zouache K. and **A.-B. Failloux**. 2015 Insect–pathogen interactions: contribution of viral adaptation to the emergence of vector-borne diseases, the example of chikungunya. *Current Opinion in Insect Science* 10:14–21. (R)
8. Vega-Rúa A., Lourenço-de-Oliveira R., Mousson L., Vazeille M., Fuchs S., Yébakima A., Gustave J., Girod R., Dusfour I., Leparac-Goffart I., Vanlandingham D.L., Huang Y.J., Lounibos L.P., Mohamed Ali S., Nougairede A., de Lamballerie X. and **A.-B. Failloux**. 2015. Chikungunya virus transmission potential by local *Aedes* mosquitoes in the Americas and Europe. *PLoS Neglected Tropical Diseases* 9(5):e0003780. doi: 10.1371/journal.pntd.0003780. (O)
9. Krida G., Rhim A., Daaboub J., **Failloux A.-B.**, Bouattour A. 2015. New evidence for the potential role of *Culex pipiens* mosquitoes in the transmission cycle of West Nile virus in Tunisia. *Medical and Veterinary Entomology*. Jan 14. doi: 10.1111/mve.12107. (O)
10. Carissimo G., Pondeville E., McFarlane M., Dietrich I., Mitri C., Bischoff E., Antoniewski C., Bourgouin C., **Failloux A.-B.**, Kohl A., Vernick K.D. 2015. Antiviral immunity of *Anopheles gambiae* is highly compartmentalized, with distinct roles for RNA interference and gut microbiota. *Proceedings of the National Academy of Sciences of the United States of America* 112(2): E176-85. (O)

11. Dieme C., Yssouf A., Vega-Rúa A., Berenger J.M., **Failloux A.-B.**, Raoult D., Parola P., Almeras L. 2014. Accurate identification of Culicidae at aquatic developmental stages by MALDI-TOF MS profiling. *Parasites & Vectors* 7(1):544. **(O)**
12. Coffey L.L., **Failloux A.-B.**, Weaver S.C. 2014. Chikungunya virus-vector interactions. *Viruses* 6(11):4628-63. **(R)**
13. Jupille H., Vega-Rua A., Rougeon F. and **A.-B. Failloux**. 2014. Arboviruses: Variations on an ancient theme. *Future Virology* 9(8) :733-775 **(R)**
14. Zouache K., Fontaine A., Vega-Rua A., Mousson L., Thiberge J.M., Lourenco-De-Oliveira R., Caro V., Lambrechts L., **Failloux AB**. 2014. Three-way interactions between mosquito population, viral strain and temperature underlying chikungunya virus transmission potential. *Proceedings Biological sciences / The Royal Society* 281(1792). **(O)**
15. McFarlane M., Arias-Goeta C., Martin E., O'Hara Z., Lulla A., Mousson L., Rainey S.M., Misbah S., Schnettler E., Donald C.L., Merits A., Kohl A., **Failloux A.-B.** 2014. Characterization of *Aedes aegypti* Innate-Immune Pathways that Limit Chikungunya Virus Replication. *PLoS Neglected Tropical Diseases* 8(7):e2994. **(O)**
16. Stapleford K.A., Coffey L.L., Lay S., Bordería A.V., Duong V., Isakov O., Rozen-Gagnon K., Arias-Goeta C., Blanc H., Beaucourt S., Haliloğlu T., Schmitt C., Bonne I., Ben-Tal N., Shomron N., **Failloux A.-B.**, Buchy P., Vignuzzi M. 2014. Emergence and transmission of arbovirus evolutionary intermediates with epidemic potential. *Cell Host Microbe* 15(6):706-716. **(O)**
17. Arias-Goeta C., Moutailler S., Mousson L., Zouache K., Thiberge J.-M., Caro V., Rougeon F., **Failloux A.-B.** 2014. Chikungunya virus adaptation to a mosquito vector correlates with only few point mutations in the viral envelope glycoprotein. *Infection, Genetics and Evolution* 724C: 116-126. **(O)**
18. Vega-Rúa A., Zouache K., Girod R., **Failloux A.-B.**, Lourenço-de-Oliveira R. 2014. High vector competence of *Aedes aegypti* and *Aedes albopictus* from ten American countries as a crucial factor of the spread of Chikungunya. *Journal of Virology* 88(11): 6294-6306. **(O)**
19. Rozen-Gagnon K., Stapleford K.A., Mongelli V., Blanc H., **Failloux A.-B.**, Saleh C., Vignuzzi M. 2014. Alphavirus Mutator Variants Present Host-Specific Defects and Attenuation in Mammalian and Insect Models. *PLoS Pathogens* 10(1): e1003877. **(O)**
20. Lourenço-de-Oliveira R., Vega-Rua A., Vezzani D., Willat G., Vazeille M., Mousson L., **Failloux A.-B.** 2013. *Aedes aegypti* from temperate regions of South America are highly competent to transmit dengue virus. *BMC Infectious Diseases* 13(1): 610. **(O)**
21. Jaenisch T; IDAMS, Sakuntabhai A; DENFREE, Wilder-Smith A; DengueTools. 2013. Dengue research funded by the European Commission-scientific strategies of three European dengue research consortia. *PLoS Neglected Tropical Diseases* 7(12): e2320. **(R)**
22. Balenghien T., Cardinale E., Chevalier V., Elissa N., **Failloux A.-B.**, Jean Jose Nipomichene T.N., Nicolas G., Rakotoharinome V.M., Roger M., Zumbo B. 2013. Towards a better understanding of Rift Valley fever epidemiology in the south-west of the Indian Ocean. *Veterinary Research* 44(1): 78. **(R)**
23. Blagrove M.S., Arias-Goeta C., Di Genua C., **Failloux A.-B.**, Sinkins S.P. 2013. A *Wolbachia* wMel transinfection in *Aedes albopictus* is not detrimental to host fitness and inhibits chikungunya virus. *PLoS Neglected Tropical Diseases* 7(3): e2152. **(O)**
24. Vega-Rua A., Zouache K., Caro V., Diancourt L., Delaunay P., Grandadam M., **Failloux A.-B.** 2013. High Efficiency of Temperate *Aedes albopictus* to Transmit Chikungunya and Dengue Viruses in the Southeast of France. *PLoS ONE* 8(3): e59716. **(O)**
25. Arias-Goeta C., Mousson L., Rougeon F., **Failloux A.-B.** 2013. Dissemination and transmission of the E1-226V variant of chikungunya virus in *Aedes albopictus* are controlled at the midgut barrier level. *PLoS ONE* 8(2):e57548. **(O)**
26. Vazeille M., Yébakima A., Lourenço-de-Oliveira R., Andriamahefazafy B., Correira A., Monteiro Rodrigues J., Veiga A., Moreira A., Leparc-Goffart I., Grandadam M., **Failloux A.-**

- B. 2013. Risk assessment of arboviral transmission in Cape Verde. *Vector Borne and Zoonotic Diseases* 13(1): 37-40. (O)
27. Mousson L., Zouache K., Arias-Goeta C., Raquin V., Mavingui P., **Failloux A.-B.** 2012. The native *Wolbachia* symbionts limit transmission of dengue virus in *Aedes albopictus*. *PLoS Neglected Tropical Diseases* 6(12): e1989. (O)
 28. Lambrechts L., **Failloux A.-B.** 2012. Vector biology prospects in dengue research. *Memórias do Instituto Oswaldo Cruz* 107(8):1080-1082. (R)
 29. Haddad N., Mousson L., Vazeille M., Chamat S., Tayeh J., Osta M.A., **Failloux A.-B.** 2012. *Aedes albopictus* in Lebanon, a potential risk of arboviruses outbreak. *BMC Infectious Diseases* 12: 300. (O)
 30. Dupont-Rouzeyrol M., Caro V., Guillaumot L., Vazeille M., D'Ortenzio E., Baroux N., Grandadam M., **Failloux A.-B.** 2012. Chikungunya virus in New Caledonia (south Pacific region). *Vector Borne and Zoonotic Diseases* 12(12): 1036-1041. (O)
 31. Szemiel A.M., **Failloux A.-B.**, Elliott R.M. 2012. Role of Bunyamwera Orthobunyavirus NSs Protein in Infection of Mosquito Cells. *PLoS Neglected Tropical Diseases* 6(9): e1823. (O)
 32. Amraoui F., Krida G., Bouattour A., Rhim A., Daaboud J., Harrat Z., Boubidi SC., Tijane M., Sarih M., **Failloux A.-B.** 2012. *Culex pipiens*, an experimental efficient vector of West Nile and Rift Valley Fever viruses in the Maghreb region. *PLoS ONE* 7(5): e36757. (O)
 33. Amraoui F., Tijane M., Sarih M., **Failloux A.-B.** 2012. Molecular evidence of *Culex pipiens* form molestus and hybrids pipiens/molestus in Morocco, North Africa. *Parasites & Vectors* 5(1):83. (O)
 34. Raharimalala F.N., Ravaomanarivo L.H., Ravelonandro P., Rafaraso L.S., Zouache K., Tran-Van V., Mousson L., **Failloux A.-B.**, Hellard E., Moro C.V., Ralisoa B.O., Mavingui P. 2012. Biogeography of the two major arbovirus mosquito vectors, *Aedes aegypti* and *Aedes albopictus* (Diptera, Culicidae), in Madagascar. *Parasites & Vectors* 5: 56. (O)
 35. Zouache K., Michelland R.J., **Failloux A.-B.**, Grundmann G.L., Mavingui P. 2012. Chikungunya virus impacts the diversity of symbiotic bacteria in mosquito vector. *Molecular Ecology* 21(9): 2297-2309. (O)
 36. Blagrove M.S.C., Arias-Goeta C., **Failloux A.-B.**, Sinkins S.P. 2012. The *Wolbachia* strain wMel induces cytoplasmic incompatibility and blocks dengue transmission in *Aedes albopictus*. *Proceedings of the National Academy of Sciences of the United States of America* 109(1): 255-260. (O)
 37. Legros F. et al. (PPAV Working Group). 2011. Personal protection against biting insects and ticks. *Parasite* 18(1): 93-111. (R)
 38. Grandadam M., Caro V., Plumet S., Thiberge J.M., Souares Y., **Failloux A.-B.**, Tolou H.J., Budelot M., Cosserrat D., Leparc-Goffart I., Despres P. 2011. Chikungunya Virus, Southeastern France. *Emerging Infectious Diseases* 17(5): 910-913. (O)
 39. Moutailler S., Roche B., Thiberge J.-M., Caro V., Rougeon F., **Failloux A.-B.** 2011. Host alternation is necessary to maintain the genome stability of Rift Valley fever virus. *PLoS Neglected Tropical Diseases* 5(5): e1156. (O)
 40. Krida G., Diancourt L., Bouattour A., Rhim A., Chermiti B., **Failloux A.-B.** 2011. Assessment of the risk of introduction to Tunisia of the Rift Valley fever virus by the mosquito *Culex pipiens*. *Bulletin de la Société de Pathologie Exotique* 104(4): 250-259. (O)
 41. Urdaneta-Marquez L., **Failloux A.-B.** 2011. Population genetic structure of *Aedes aegypti*, the principal vector of dengue viruses. *Infection, Genetics and Evolution* 11(2): 253-261. (R)
 42. Girod R., Gaborit P., Marrama L., Etienne M., Ramdini C., Rakotoarivony I., Dollin C., Carinci R., Issaly J., Dusfour I., Gustave J., Yp-Tcha M.M., Yébakima A., **Failloux A.-B.**, Vazeille M. 2010. High susceptibility to Chikungunya virus of *Aedes aegypti* from the French West Indies and French Guiana. *Tropical Medicine and International Health* 16(1): 134-139. (O)

43. Moutailler S., Krida G., Madec Y., Bouloy M., **Faillox A.-B.** 2010. Replication of Clone 13, a naturally attenuated avirulent isolate of Rift Valley fever virus in *Aedes* and *Culex* mosquitoes. ***Vector Borne and Zoonotic Diseases*** 10(7): 681-688. **(O)**
44. Vazeille M., Mousson L., Martin E., **Faillox A.-B.** 2010. Orally Co-infected *Aedes albopictus* from La Reunion Island, Indian Ocean, Can Deliver both Dengue and Chikungunya Infectious Viral Particles in their Saliva. ***PLoS Neglected Tropical Diseases*** 4(6): e706. **(O)**
45. Martin E., Moutailler S., Madec Y., **Faillox A.-B.** 2010. Differential responses of the mosquito *Aedes albopictus* from the Indian Ocean region to two chikungunya isolates. ***BMC Ecology*** 10: 8. **(O)**
46. Mousson L., Martin E., Zouache K., Madec Y., Mavingui P., **Faillox A.-B.** 2010. *Wolbachia* modulates Chikungunya replication in *Aedes albopictus*. ***Molecular Ecology*** 19(9): 1953-1964. **(O)**
47. Talbalaghi A., Moutailler S., Vazeille M., **Faillox A.-B.** 2010. Is *Aedes albopictus* for Italy competent enough to sustain new arboviral outbreaks? ***Medical and Veterinary Entomology*** 24: 83-87. **(O)**
48. Vazeille M., Mousson L., **Faillox A.-B.** 2009. Failure to demonstrate experimental vertical transmission of the epidemic strain of Chikungunya virus in *Aedes albopictus* from La Réunion Island, Indian Ocean. ***Memorias do Instituto Oswaldo Cruz*** 104(4): 632-635. **(O)**
49. Zouache K., Voronin D., Tran-Van V., Mousson L., **Faillox A.B.**, Mavingui P. 2009. Persistent *Wolbachia* and cultivable bacteria infection in the reproductive and somatic tissues of the mosquito vector *Aedes albopictus*. ***PLoS ONE*** 4(7): e6388. **(O)**
50. Dubrulle M., Mousson L., Moutailler S., Vazeille M., **Faillox A.-B.** 2009. Chikungunya virus and *Aedes* mosquitoes: saliva is infectious as soon as two days after oral infection. ***PLoS ONE*** 4(6): e5895. **(O)**
51. Moutailler S., Barré H., Vazeille M., **Faillox A.-B.** 2009. Recently introduced *Aedes albopictus* in Corsica is competent to Chikungunya virus and in a lesser extent to dengue virus. ***Tropical Medicine and International Health*** 14(9): 1105-1109. **(O)**
52. Tortosa P., Courtiol A., Moutailler S., **Faillox A.-B.**, Weill M. 2008. Chikungunya-*Wolbachia* interplay in *Aedes albopictus*. ***Insect Molecular Biology*** 17(6): 677-684. **(O)**
53. Delatte H., Paupy C., Dehecq J.S., Thiria J., **Faillox A.-B.**, F. Fontenille. 2008. *Aedes albopictus*, vector of chikungunya and dengue viruses in Reunion Island: biology and control. ***Parasite*** 15(1): 3-13. **(O)**
54. Moutailler S., Krida G., Schaffner F., Vazeille M., **A.-B. Faillox.** 2008. Potential Vectors of Rift Valley Fever Virus in the Mediterranean Region. ***Vector Borne and Zoonotic Diseases*** 8(6): 749-753. **(O)**
55. Vazeille M., Moutailler S., Pages F., Jarjaval F., **Faillox A.-B.** 2008. Introduction of *Aedes albopictus* in Gabon: what consequences for dengue and chikungunya transmission? ***Tropical Medicine and International Health*** 13, 1176-1179. **(O)**
56. Vazeille M., Jeannin C., Martin E., Schaffner F., **Faillox A.-B.** 2008. Chikungunya: a risk for Mediterranean countries? ***Acta Tropica*** 105: 200-2002. **(O)**
57. Vazeille M., Moutailler S., Coudrier D., Rousseaux C., Khun H., Huerre M., Thiria J., Dehecq J.S., Fontenille D., Schuffenecker I., Despres P., **Faillox A.-B.** 2007. Two Chikungunya Isolates from the Outbreak of La Reunion (Indian Ocean) Exhibit Different Patterns of Infection in the Mosquito, *Aedes albopictus*. ***PLoS ONE*** 2(11): e1168. **(O)**
58. Moutailler S., Bouloy M., **Faillox A.-B.** 2007. Efficient oral infection of *Culex pipiens quinquefasciatus* by Rift Valley fever virus using cotton stick support. ***American Journal of Tropical Medicine and Hygiene*** 76 (5): 827-829. **(O)**

59. Vieira da Costa-Ribeiro M.C., Lourenço-de-Oliveira R., **Failloux A.-B.** 2007. Low gene flow of *Aedes aegypti* between dengue-endemic and dengue-free areas in Southeast and South Brazil. *American Journal of Tropical Medicine and Hygiene* 77(2): 303-309. (O)
60. Vieira da Costa-Ribeiro M.C., Lourenço-de-Oliveira R., **Failloux A.-B.** 2006. Geographic and temporal genetic patterns of *Aedes aegypti* populations in Rio de Janeiro, Brazil. *Tropical Medicine and International Health* 11(8): 1276-1285. (O)
61. Vieira da Costa-Ribeiro M.C., Lourenço-de-Oliveira R., **Failloux A.-B.** 2006. Higher genetic variation estimated by microsatellites compared to isoenzyme markers in *Aedes aegypti* from Rio de Janeiro. *Memorias do Instituto Oswaldo Cruz* 101(8): 917-921. (O)
62. Pardigon N., Desprès P., Schuffenecker I., Zeller H., **Failloux A.-B.**, Vazeille M., Grandadam M., Tolou H. 2006. La flambée du virus Chikungunya dans l'Océan indien : réflexions sur une arbovirose négligée. *Virologie* 10(1): 3-5. (R)
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