

PUBLICATIONS PARUES EN 2025

La présente liste recense l'ensemble des articles scientifiques publiés par les chercheurs de l'Institut Pasteur de Dakar (IPD) en 2025.

Elle regroupe les publications issues des activités de recherche menées au sein de l'IPD, qu'elles aient été réalisées exclusivement par ses équipes ou dans le cadre de collaborations avec des partenaires nationaux, régionaux et internationaux.

Cette compilation vise à offrir une vue d'ensemble structurée et exhaustive de la production scientifique de l'Institut sur la période considérée.

Pour chaque article, les auteurs affiliés à l'IPD sont signalés par un soulignement et une mise en gras ainsi que les disciplines impliquées afin de faciliter leur identification au sein des listes de co-auteurs et de mettre en évidence la contribution scientifique de l'Institut dans les travaux publiés.

Par ailleurs, le type d'accès à chaque publication est explicitement précisé, en distinguant les articles en accès libre (open access) de ceux en accès payant (paywalled access).

1: Assoweh HO, Aboubaker MH, **Jallow MM**, Dirir SD, Gnasse I, Aouled FD, **Diallo D**, Ibrahim AA, Diack N, Ahmed MN, **Dia N**, Camara M. Viral Respiratory Infections in Djibouti: Insights from Two Years of Pilot Surveillance. *Viruses*. 2025 Nov 21;17(12):1525. doi: 10.3390/v17121525. PMID: 41472196; PMCID: PMC12737630.

Type: OPEN ACCESS

Domaine: Virologie

2: **Sambe BS**, Diaw SOM, **Diagne A**, **Diatta AS**, **Diatta HAM**, **Sarr I**, **Sané R**, Guigma PYB, Senghor B, Diouf B, Sembene PM, **Vigan-Womas I**, **Niang M**. Common Molecular Detection of the Neglected Human Malaria Parasite Among Febrile Patients in Southern Regions in Senegal. *Pathogens*. 2025 Nov 25;14(12):1201. doi: 10.3390/pathogens14121201. PMID: 41471157; PMCID: PMC12735732.

Type: OPEN ACCESS

Domaine: Immunophysiopathologie des maladies infectieuses

3: Gaye B, Jobe M, Marijon E; ERADICATE Consortium. Towards the elimination of rheumatic heart disease in Africa and globally: the ERADICATE Consortium. *Eur Heart*

J. 2025 Dec 18:ehaf886. doi: 10.1093/eurheartj/ehaf886. Epub ahead of print. PMID: 41408673.

Type: OPEN ACCESS

Domaine: Vaccine Center

4: Ndiaye I, Debarbieux L, Sow O, Ba BS, **Diagne MM**, Cissé A, Fall C, Dièye B, Dieng A, Diop A, **Dieye Y**, **Dia N**, Constantin de Magny G, **Seck A**. Characterization of broad host range bacteriophages vKpIN31 and vKpIN32 against hospital-acquired *Klebsiella pneumoniae* in Dakar, Senegal. *Sci Rep*. 2025 Dec 13. doi: 10.1038/s41598-025-32351-w. Epub ahead of print. PMID: 41390877.

Type: OPEN ACCESS

Domaine: Virologie, Microbiologie

5: Guerra N, Hagadorn KA, Nair M, **Thiam LG**, Williams BG, McHugh K, Pipini D, Healer J, Masendycz P, Cowman AF, Draper SJ, **Bei AK**. Evaluating the potential of cross-species neutralization of anti-PfCyRPA and anti-PfRIPR Monoclonal Antibodies. *bioRxiv* [Preprint]. 2025 Nov 4:2025.11.03.682341. doi: 10.1101/2025.11.03.682341. PMID: 41332710; PMCID: PMC12668661.

Type: OPEN ACCESS

Domaine: Immunophysiopathologie des maladies infectieuses

6: **Diagne MM**, **Fall G**, **Sall A**, Sow B, Ndiaye NA, **Gaye A**, Ndao MS, **Gaye A**, Ndiaye EH, Ndiaye M, Diop SMBS, **Sankhe S**, Kane M, Ndiaye S, **Faye O**, Sall Y, **Barry MA**, Gueye I, **Ndione MHD**, Diop B, Cisse O, Fitchett JRA, **Dia I**, **Loucoubar C**, **Dia N**, **Diallo M**, Diallo B, Fall IS, Ndiaye M, **Diallo D**, **Sow A**, **Faye O**. Molecular Characterization of Rift Valley Fever Virus From the 2025 Outbreak in Northern Senegal Reveals Lineage H Persistence and Key Polymerase Mutations. *J Med Virol*. 2025 Dec;97(12):e70734. doi: 10.1002/jmv.70734. PMID: 41319301; PMCID: PMC12665341.

Type: OPEN ACCESS

Domaine: Virologie, Science des données, Zoologie Médicale, Santé publique

7: NGom SFM, Ndiaye N, **Kébé O**, **Dia N**, **Faye M**. Molecular evolution and circulation dynamic of human non-polio enteroviruses across Africa. *Int J Infect Dis*. 2025 Nov 25;163:108258. doi: 10.1016/j.ijid.2025.108258. Epub ahead of print. PMID: 41308947.

Type: OPEN ACCESS

Domaine: Virologie

8: Gasasira MF, Garcia L, Donnadiou F, Pelleau S, Vanhomwegen J, Rasoloharimanana LT, Dorigatti I, Schoenhals M, Toure-Balde A, **Vigan-Womas I, Niang M**, White M. A Multiplex Serological Assay for the Detection of Antibody Responses to Arboviruses. *J Vis Exp*. 2025 Nov 4;(225):69259. doi: 10.3791/69259. PMID: 41284716; PMCID: PMC7618357.

Type: OPEN ACCESS

Domaine: Immunophysiopathologie des maladies infectieuses

9: Nair M, Geering G, Agarwal A, Li R, Qiao Y, Xiao Q, **Pouye MN, Thiam LG**, Ba A, Hagadorn KA, **Cisse A**, Guerra N, Tawaldemedhen Y, Mangou K, Moore AJ, Diallo F, Sene SD, **Sadio BD**, Zhang E, Shapiro L, Patel SD, Mbengue A, **Vigan-Womas I**, Sheng Z, **Bei AK**. Genetic Diversity of the Malaria Vaccine Candidate PfRIPR in a High Transmission Region of Senegal. *medRxiv* [Preprint]. 2025 Sep 29:2025.09.23.25335263. doi: 10.1101/2025.09.23.25335263. PMID: 41256152; PMCID: PMC12622123.

Type: OPEN ACCESS

Domaine: Immunophysiopathologie des maladies infectieuses

10: Ndiaye BP, Koech L, Mercer LD, Aponte JJ, Cisse B, Riziki F, Keter W, Eaton N, Diye S, Wade D, Bob NS, Raine MG, Her H, Kim S, Erdem R, Lee C, Cassels FJ, Park Y, **Dia M**, Baik YO, **Fall G**, Locke E, Njuguna PW. Safety and non-inferiority of multidose and single-dose vial formulations of EuTCV Vi-CRM197 versus Typbar TCV in healthy participants in Kenya and Senegal: a multicentre, observer-blind, randomised, phase 3 study. *Lancet Glob Health*. 2025 Dec;13(12):e2122–e2132. doi: 10.1016/S2214-109X(25)00330-4. PMID: 41240950.

Type: OPEN ACCESS

Domaine: Virologie

11: Bartholomé C, Taconet P, Mercat M, Grail C, Bouhsira E, Fournet F, **Moiroux N**. Investigating the role of urban vegetation alongside other environmental variables in shaping *Aedes albopictus* presence and abundance in Montpellier, France. *PLoS One*. 2025 Nov 12;20(11):e0335793. doi: 10.1371/journal.pone.0335793. PMID: 41223243; PMCID: PMC12611129.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

12: Nwangwu UC, Soumare H, Oguzie JU, Nwachukwu WE, Onwude CO, Dogunro FA, **Diallo M**, Ezihe CK, Agashi NO, Eloy EI, Anokwu SO, Anioke CC, Ikechukwu LC, Nwosu CM, Nwaogo ON, Ngwu IM, Onyeanusi RN, Okoronkwo AI, Orizu FU, Etiki MO, Onuora EN, Okeke PC, Chukwuekezie OC, Ochu JC, Happi AN, Ibrahim SS, Ifedayo A, Ihekweazu C, Happi CT. Nationwide surveillance detects yellow fever and chikungunya viruses in multiple Aedes mosquito species in Nigeria. Parasit Vectors. 2025 Oct 31;18(1):443. doi: 10.1186/s13071-025-07051-z. PMID: 41174791; PMCID: PMC12577304.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

13: **Faye M**, Makiala-Mandana S, **Diagne MM**, **Faye O**, Boehlken-Fascher S, Kissenkoetter J, Muyembe-Tamfum JJ, Ahuka-Mundeye S, Mbala-Kingebeni P, Okitale-Talunda P, Mujinga GK, de La Vega MA, Kobinger G, Elijah OO, Bakarey AS, Kolawole RM, Ademowo OG, **Diagne CT**, **Sall AA**, Abd El Wahed A, **Faye O**, Weidmann M. Field Evaluation of Mobile Molecular Differential Tests in DRC and Nigeria. Open Forum Infect Dis. 2025 Oct 8;12(10):ofaf630. doi: 10.1093/ofid/ofaf630. Erratum in: Open Forum Infect Dis. 2025 Dec 12;12(12):ofaf738. doi: 10.1093/ofid/ofaf738. PMID: 41169530; PMCID: PMC12569597.

Type: OPEN ACCESS

Domaine: Virologie

14: Torii S, Lord JS, Lavina M, Prot M, Lecuyer A, **Diagne CT**, **Faye O**, **Faye O**, **Sall AA**, Bonsall MB, Simon-Lorière E, Montagutelli X, Lambrechts L. Polygenic viral factors enable efficient mosquito-borne transmission of African Zika virus. Nat Commun. 2025 Oct 30;16(1):9594. doi: 10.1038/s41467-025-64627-0. PMID: 41168162; PMCID: PMC12575611.

Type: OPEN ACCESS

Domaine: Virologie

15: Lagare A, Abdoulaye B, Thiaw FD, Ousmane H, Ndiaye N, Aoula B, Hassane F, Mamadou S, Amadou HI, Hamidou H, Doutchi M, **Faye M**. First detection of echovirus 18 associated with aseptic meningitis in a child in Niger Republic, 2024: a case report. BMC Infect Dis. 2025 Oct 22;25(1):1389. doi: 10.1186/s12879-025-11674-z. PMID: 41126107; PMCID: PMC12542352.

Type: OPEN ACCESS

Domaine: Virologie

16: **Sene NM**, Nimo-Paintsil S, **Gaye M**, **Ndiaye EH**, **Ngom EHM**, **Diouf B**, **Sy FA**, **Diagne MM**, **Gaye A**, **Diallo D**, **Dia I**, Weaver SC, Dadzie S, Harwood JF, **Diallo M**. Entomological surveys and insecticide resistance in the dengue vector *Aedes aegypti* in Dakar, Senegal: First detection of the kdr mutation. *PLoS Negl Trop Dis*. 2025 Oct 22;19(10):e0013657. doi: 10.1371/journal.pntd.0013657. PMID: 41124290; PMCID: PMC12561948.

Type: OPEN ACCESS

Domaine: Zoologie Médicale, Virologie

17: White MT, Baudemont G, Donnadiou F, Diatta AS, Sarr I, **Diagne A**, Toure-Balde A, Sarr FD, **Faye J**, Sokhna C, Bassene H, **Vigan-Womas I**, Pelleau S, **Niang M**. Whose line is it anyway? Defining sero-positivity cut-offs for infectious disease surveillance. *J Infect Dis*. 2025 Oct 17;jjaf537. doi: 10.1093/infdis/jjaf537. Epub ahead of print. PMID: 41108092.

Type: OPEN ACCESS

Domaine: Immunophysiopathologie des maladies infectieuses, Science des données

18: **Dieng I**. Systematic misclassification of sylvatic dengue virus 2 (DENV-2) infections as "undetermined serotype": implications in routine RT-qPCR surveillance. *Trop Med Health*. 2025 Oct 16;53(1):138. doi: 10.1186/s41182-025-00827-0. PMID: 41102852; PMCID: PMC12529781.

Type: OPEN ACCESS

Domaine: Virologie

19: **Ndiaye N**, Diop B, **Kébé O**, NGom SFM, Boussiengui LG, Dosseh A, Sam A, **Dia M**, Sy B, Diallo A, Gueye TN, Diaw PC, Ba IO, Chia JE, Diallo JP, Diallo B, Sall Y, **Sall AA**, **Faye O**, **Dia N**, Diop OM, **Sow A**, Anfumbom K, **Faye M**. Recent emergence of vaccine-derived poliovirus type 2 in Senegal and virus spread to neighboring countries. *Int J Infect Dis*. 2025 Dec;161:108122. doi: 10.1016/j.ijid.2025.108122. Epub 2025 Oct 11. PMID: 41083043; PMCID: PMC12657269.

Type: OPEN ACCESS

Domaine: Virologie

20: Yacoub S, Demidova A, Chan XHS, Ajam A, Baimukhambetova D, Horn A, Kakotkina E, Kosenko M, Mursalova A, Van Nuil JI, Phuong CL, Xiao L, Adhikari S, Alzate Alvarez JD, Anderson KB, Avirutnan P, Buchholz S, Chandra R, Chang AY, Quang Chanh H, Consuegra Rodríguez MP, Daniel V, Diaz JV, Figueiredo-Mello C, Gelvez- Ramírez RM, Huyen TB, Kestelyn E, Lam PK, Leopold SJ, Li R, Luu T, Lye DCB, McBride A, Meyer-Andrieux I, Moorman NJ, Nguyen NM, Omar SFS, Ong HC, Ooi EE, Pazukhina E, Pett SL, Porto DB, Rajahram GS, Rogers M, Rojas E, Rosen J, Rylance J, Schilling WHK, Siqueira AM, Sjö P, Sucerquia-Hernandez A, Tam DTH, Teixeira MM, Tietz A, Trieu HT, Unsworth A, Villar L, Waickman AT, Watson JA, Wills BA, Chia PY, Brasil P, Jaenisch T, Lum L, Malavige GN, McGloughlin S, Tirupakuzhi Vijayaraghavan BK, **Merson L**, Munblit D; DEN-CORE Study Group. Core outcome measurement set for clinical trials in dengue: an international Delphi consensus study (DEN-CORE). *Lancet Infect Dis.* 2025 Oct 7:S1473-3099(25)00500-6. doi: 10.1016/S1473-3099(25)00500-6. Epub ahead of print. PMID: 41072450.

Type: PAYWALLED ACCESS

Domaine: Recherche clinique

21: **Faye ET**, Diamanka A, Kang S, **Gaye A**, Ahn H, **Sankhe S**, **Sadio BD**, **Sene O**, **Ndiaye M**, **Mhamadi M**, **Faye M**, **Faye O**, **Dia N**, **Loucoubar C**, **Diop B**, **Ndiaye M**, **Higginson E**, **Talla C**, **Faye O**, **Sall AA**, **Diagne MM**, **Marks F**, **Fall G**. **Hepatitis E Prevalence among Acute Febrile Jaundice Patients in Senegal, 2008-2020.** *Am J Trop Med Hyg.* 2025 Oct 9;113(6):1393-400. doi: 10.4269/ajtmh.25-0030. Epub ahead of print. PMID: 41067222; PMCID: PMC12676625.

Type: OPEN ACCESS

Domaine: Virologie, Microbiologie, Science des données

22: **Diallo D**, **Sene O**, **Ngom D**, **Khoulé A**, **Faye ET**, **Dieng I**, **Ndione MHD**, **Faye O**, SimonLorière E, **Diagne MM**, **Diallo M**, Sakuntabhai A, **Fall G**. Detection and genetic characterization of arboviruses and other viruses from mosquitoes collected in southeastern and central Senegal, October 2022. *Med Vet Entomol.* 2025 Dec;39(4):863-874. doi: 10.1111/mve.70017. Epub 2025 Sep 29. PMID: 41020558.

Type: OPEN ACCESS

Domaine: Virologie

23: Dossouvi KM, **Sambe Ba B**, Lo G, Sellera FP, Furlan JPR, Culot A, Abriat G, Gueye AB, Ba-Diallo A, Dieng A, Ly FP, Cissé A, Ndiaye SML, Tine A, Karam F, Diagne-Samb H,

NgomCisse S, Diop-Ndiaye H, Toure-Kane C, Gaye-Diallo A, Dossim S, Mboup S, Boye CSB, **Seck A**, Camara M. Clinical carbapenem-resistant Enterobacterales in a University Hospital in Dakar, Senegal: genomic insights into *Enterobacter hormaechei* ST182 strains carrying *bla*_{NDM-5} and *bla*_{OXA-48} genes. *Microbiol Spectr*. 2025 Oct 7;13(10):e0078025. doi: 10.1128/spectrum.00780-25. Epub 2025 Sep 16. PMID: 40956092; PMCID: PMC12502527.

Type: OPEN ACCESS

Domaine: Microbiologie

24: **Gaye A**, **Diagne MM**, **Diallo D**, Ndiaye EH, **Ndione MHD**, Gaye M, **Dieng I**, Dieng M, Kane M, **Sankhe S**, Diouf B, Sy FA, Weldon C, **Dia I**, Weaver SC, **Diallo M**. Challenging the notion of *Aedes aegypti* as the primary chikungunya virus vector: insights from Kédougou, Southeastern Senegal. *BMC Infect Dis*. 2025 Sep 3;25(1):1098. doi: 10.1186/s12879-02511402-7. PMID: 40898089; PMCID: PMC12406470.

Type: OPEN ACCESS

Domaine: Zoologie Médicale, Virologie

25: Diouf EH, Senghor MW, Sy MD, Ndiaye A, Konaté A, Niang O, Faye O, **Dia I**, Niang EHA, Konaté L. The impacts of indoor residual spraying with bendiocarb and pirimiphosmethyl on allelic frequencies of *kdr* and *ace-1* mutations in central Senegal. *Sci Rep*. 2025 Aug 25;15(1):31239. doi: 10.1038/s41598-025-12052-0. PMID: 40855152; PMCID: PMC12378222.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

26: **Moiroux N**, Zongo I, Assi SB, Some A, Tchiekoi NB, Zogo B, Soma DD, Hien DFDS, Taconet P, Ahoua Alou LP, Lefevre T, Cohuet A, Fournet F, Mouline K, Koffi AA, Dabiré RK, Pennetier C. Efficacy of non-pyrethroid indoor residual spraying or intensive behaviour change communication in combination with long-lasting insecticidal nets for malaria control in west Africa: a pragmatic, cluster-randomised, controlled trial. *Lancet Glob Health*. 2025 Sep;13(9):e1605-e1616. doi: 10.1016/S2214-109X(25)00216-5. PMID: 40845886.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

27: Dauga C, Gilbert V, Habib A, Tondeur L, Rendremanana R, Hedible B, Manirazika A, **Vray M**, Jambou R; Malinea Clinical Trial Group. Intestinal microbiota diversity in children from three African countries. *Infect Genet Evol.* 2025 Oct;134:105808. doi: 10.1016/j.meegid.2025.105808. Epub 2025 Aug 18. PMID: 40834977.

Type: OPEN ACCESS

Domaine: Science des données

28: Bhiman JN, Serwanga J, Ugwu CA, **Vigan-Womas I**, Quashie PK, Bhattacharya J, Sande C, Bonomo A, Markey FB, Awandare GA, Garg PK, Kaleebu P, Happi C, Rennergarbe A, Woods C, Kirchner J, Aguilar AO, Makar K, Moore PL; GIIER network. Retaining African networks is urgent for global health. *Trends Microbiol.* 2025 Nov;33(11):1150-1154. doi: 10.1016/j.tim.2025.07.002. Epub 2025 Jul 31. PMID: 40750563.

Type: OPEN ACCESS

Domaine: Immunophysio-pathologie des maladies infectieuses

29: Balde D, Ndiaye M, Efire AS, **Faye O, Sall AA**, Weidmann M, **Faye O, Dieng I**. CDC dengue typing kit fails to detect dengue virus 2 sylvatic genotype. *J Clin Microbiol.* 2025 Aug 13;63(8):e0174124. doi: 10.1128/jcm.01741-24. Epub 2025 Jul 17. PMID: 40674352; PMCID: PMC12345212.

Type: OPEN ACCESS

Domaine: Virologie

30: **Sambe BS**, Zobrist S, Sheahan W, Soni D, **Diagne A, Sarr I, Diatta AS, Diaw SOM**, Golden A, Slater H, Jang IK, Roa N, Pal S, Sarr FD, **Faye J, Vigan-Womas I, Dieye Y**, Cisse M, Domingo GJ, **Niang M**. Performance and usability evaluation of three LDH-based malaria rapid diagnostic tests in Kédougou, Senegal. *Parasit Vectors.* 2025 Jul 12;18(1):280. doi: 10.1186/s13071-025-06914-9. PMID: 40652282; PMCID: PMC12255971.

Type: OPEN ACCESS

Domaine: Immunophysio-pathologie des maladies infectieuses, Virologie

31: Lepore L, Vanlerberghe V, Verdonck K, Metelo E, **Diallo M**, Van Bortel W. Vector control for *Aedes aegypti* and *Aedes albopictus* mosquitoes implemented in the field in sub-Saharan Africa: A scoping review. *PLoS Negl Trop Dis.* 2025 Jul

9;19(7):e0013203. doi: 10.1371/journal.pntd.0013203. PMID: 40632827; PMCID: PMC12240363.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

32: **Gaye A, Diagne MM, Diallo D**, Ndiaye EH, **Ndione MHD**, Gaye M, **Dieng I**, Dieng M, Kane M, **Sankhe S**, Diouf B, Sy FA, Weldon C, **Dia I**, Weaver SC, **Diallo M**. Challenging the notion of *Aedes aegypti* as the primary chikungunya virus vector: insights from Kédougou, Southeastern Senegal. Res Sq [Preprint]. 2025 Jul 1:rs.3.rs-6865029. doi: 10.21203/rs.3.rs6865029/v1. Update in: BMC Infect Dis. 2025 Sep 3;25(1):1098. doi: 10.1186/s12879-02511402-7. PMID: 40630522; PMCID: PMC12236909.

Type: OPEN ACCESS

Domaine: Zoologie Médicale, Virologie

33: **Sene O**, Sagne SN, **Ngom D**, Bocoum M, **Diallo MK**, Khoulé A, Faye ET, Diop SM, Diallo I, **Loucoubar C, Diallo M, Dia N**, Sall Y, Diop B, Ndiaye M, **Sall AA**, Weidmann M, **Diagne MM**, Fall M, **Faye O, Faye O**, Simon-Lorière E, **Diallo D, Barry MA, Fall G**. Crimean-Congo Hemorrhagic Fever Outbreak in Podor, Northern Senegal in 2022: Two Independent Emergences and Unprecedented Mortality. Am J Trop Med Hyg. 2025 Jul 8;113(3):555-563. doi: 10.4269/ajtmh.24-0445. PMID: 40628243; PMCID: PMC12397962.

Type: OPEN ACCESS

Domaine: Virologie, Zoologie Médicale, Science des données

34: Bouyssou I, Golassa L, **Vigan-Womas I**, Schoenhals M, Ratsimbasoa A, Ould Mohamed Salem Boukhary A, de Fátima Ferreira-da-Cruz M, Houzé S, Ma L, Lu F, Chitnis C, Campagne P, Ménard D. Genomic analysis of *Plasmodium vivax* field isolates circulating in sub-Saharan Africa. Commun Biol. 2025 Jul 7;8(1):1012. doi: 10.1038/s42003-025-08276-5. PMID: 40624365; PMCID: PMC12234883.

Type: OPEN ACCESS

Domaine: Immunophysio-pathologie des maladies infectieuses, Virologie

35: **Dia NA**, Ndiaye M, Balde D, Kane M, Efire AS, Mboowa G, Thiam F, **Dieye Y**, Dia M, **Fall G, Dia N, Sall AA, Faye O, Faye O, Diagne MM**, Weidmann M, **Dieng I**. Development and validation of oligonucleotide sets for real time RT-PCR detection and next generation sequencing, of re-emerged sylvatic Dengue virus 2 strains. J Virol

Methods. 2025 Dec;338:115218. doi: 10.1016/j.jviromet.2025.115218. Epub 2025 Jul 5. PMID: 40623629.

Type: PAYWALLED ACCESS

Domaine: Virologie, Microbiologie

36: Murrell CM, Sabaawy A, Wang X, Hashimoto N, Ceres K, Sun Y, Zehr JD, Lehane A, Mader E, Bailey N, Lilly MV, Plimpton L, Reboul G, Brown JJ, Sams K, Singh L, Seiz E, Bourgikos E, Vogels CBF, Ciota AT, Schnurr V, Grenier J, **Berthet X**, Bento AI, Harrington L, Diuk-Wasser M, Olarte-Castillo X, Goodman LB. TITAN-RNA: A hybrid-capture sequencing panel detects known and unknown *Flaviviridae* for diagnostics and vector surveillance. bioRxiv [Preprint]. 2025 Jun 8:2025.06.08.658352. doi: 10.1101/2025.06.08.658352. PMID: 40501929; PMCID: PMC12157608.

Type: OPEN ACCESS

Domaine: Virologie

37: **Diouf LA**, Ndiaye M, Balde D, Efire AS, **Dia M**, Thiam F, Weidmann M, **Faye O**, **Dieng J**. Mismatch-corrected CHIKV CDC Triplex assay oligos restore sensitive pangentype viral detection. J Clin Microbiol. 2025 Jul 9;63(7):e0049025. doi: 10.1128/jcm.00490-25. Epub 2025 Jun 11. PMID: 40497718; PMCID: PMC12239721.

Type: OPEN ACCESS

Domaine: Virologie

38: **Ndione MHD**, Ndiaye EH, Dieng M, Diouf B, Sankhé S, **Diallo D**, Kane M, Sene NM, Mbanne M, **Sy FA**, Diop SMBS, Doukanda SFM, **Sall AA**, **Faye O**, **Dia N**, Weaver SC, **Faye O**, **Diallo M**, **Fall G**, **Gaye A**, **Diagne MM**. Mosquito-based detection of retroviruses and arboviruses in Senegal: expanding the scope of xenosurveillance. One Health Outlook. 2025 Jun 10;7(1):32. doi: 10.1186/s42522-025-00155-7. PMID: 40495233; PMCID: PMC12153165.

Type: OPEN ACCESS

Domaine: Virologie, Zoologie Médicale

39: Adjemout M, Nisar S, Escandell A, Torres R, Torres M, Nguyen Huu HT, **Thiam A**, Manosalva I, **Mbengue B**, **Dieye A**, Adoue V, Spicuglia S, Rihet P, Marquet S. Unraveling an enhancer-silencer regulatory element showing epistatic interaction with a variant that escaped genome-wide association studies. Cell Genom. 2025 Jul

9;5(7):100889. doi: 10.1016/j.xgen.2025.100889. Epub 2025 May 28. PMID: 40441141; PMCID: PMC12278644.

Type: OPEN ACCESS

Domaine: Microbiologie

40: **Seck F**, Diop MF, Mané K, Diallo A, **Dieng I**, Namountougou M, Diabate A, AmambuaNgwa A, **Dia I**, Assogba BS. Reduced Genetic Diversity of Key Fertility and Vector Competency Related Genes in *Anopheles gambiae* s.l. Across Sub-Saharan Africa. *Genes (Basel)*. 2025 Apr 30;16(5):543. doi: 10.3390/genes16050543. PMID: 40428366; PMCID: PMC12111087.

Type: OPEN ACCESS

Domaine: Zoologie Médicale

41: **Sané R, Sambe BS**, Diagne A, **Faye J, Sarr FD, Diaw SOM, Sarr I, Diatta AS, Diatta HAM**, Sembène PM, **Vigan-Womas I**, Toure-Balde A, Osier F, **Niang M**. Genetic diversity and natural selection of Plasmodium falciparum Pf41 vaccine candidate in clinical isolates from Senegal. *Sci Rep*. 2025 May 13;15(1):16516. doi: 10.1038/s41598-025-00784-y. PMID: 40360613; PMCID: PMC12075508.

Type: OPEN ACCESS

Domaine: Immunophysiologie des Maladies Infectieuses

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