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Msc Microbiology, PhD Virology

Expert on Vaccines and Antimicrobials

Co-founder of African Vaccines Manufacturing Initiative (**AVMI**)

CEO Africaseptic (Vaccines and Biological Products in Africa)

International Coordinator of Vaccinology Training Degree

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Bachelor Degree : Sciences :	1977
Faculté de Médecine, Pharmacie et d'Odonto-Stomatologie (UCAD)	
Pharmacy Graduate /thesis	1984
Internship (In Biology / Microbiology)	1983-1985
Post –graduate in Microbiology (Faculté de médecine, Pharmacie et d'Odonto-Stomatologie/Dakar)	1986
Master in Biochemistry (Faculté des Sciences et Techniques/UCAD/Dakar)	1987
Visiting Fellow / Harvard University/ Boston /USA	1988
Research fellow / Harvard University / Boston/ USA :	1989-1990
Master in Virology (Pasteur Institute/Paris/France) :	1990
PhD in Virology Dakar (Faculté de médecine, Pharmacie et d'Odonto-Stomatologie)	1991
Master in Immunology (Pasteur Institute/Paris/France):	1992
Associate Professor in Microbiology /Cames/ Ouagadougou :	1994
Patent on New Bacterial diagnostics approaches /OMPI/OAPI	1998
Professor in Microbiology	1999
Vice Dean de la Faculté de Médecine et Pharmacie since January	2000
Dean of Pharmacy	
Dean of Faculty of Medicine, Pharmacy and Odontology /Dakar since Dec	2006
Vice Chancellor of Cheikh Anta Diop University	2006-2010
Director of the Senegalese College of Health Science and Environment since Feb	2007
Director of Institute on Medical Drugs and Vaccines Research since	2009
Vice Chancellor, Rector of Thies University	2010-2013

In University Teaching Hospital

Internship :

Bactériologie CHU Fann / Dakar **1982-1985**
Bactériologie CHU A Le Dantec/ Dakar **1984-1985**

Assistant in Microbiology in Charge of Bacteriological Lab **1986-1992**

Research Fellow / Harvard University / Boston / USA **1989-1992**

Associate Professor in Microbiology **1994**

Professor in Microbiology **1999**

In Charge of Microbiological Lab at Dantec University Teaching Hospital/Dakar/Senegal

Other Activities (Current activities)

↳ Chief of Microbiology and Vaccines Departments **of the National lab for Drugs and Vaccines Control (LNCM) Since 1998**

↳ Expert **CDC** on Nosocomial Infections

(International Network for Surveillance and prevention of Emerging Antimicrobial resistance
(**INSPEAR**))

↳ Investigator of **Aventis Pharma** on International Network on Surveillance of Respiratory tracts agents (**on going : OBSAIRV, BASKETT, ACTIVE ...**)

↳ Investigator of **Aventis Pharma** on Bacterial Study on Ketolid (Telithromycin) and Levofloxacin (Tavanic)

↳ Expert of the international Network for Surveillance of opportunistic infections related to HIV (**PNEUMODAK**)

↳ Expert **Smith kline Beecham Glaxo** (Pan African Linked Through Microbiology) (**PALM, SOAR- AME, on-going INSPIRATION**)

“CEO” of AFRICASEPTIC: Company on Biological products and Vaccines

-Member of editorial Board of Journal of Infectious Diseases in developing Countries

-Member of Editorial of Different African Journals (Dakar Medical, Journal des Sciences and Techniques, Nigerian Journal of Medicine...)

-Member of American Society of Microbiology

-KOL and Member of VACSERA group of the Islamic Development Bank

-Co Founder of African Vaccines Manufacturing Initiative (AVMI)

Publications

2018

Viral and Bacterial Etiologies of Acute Respiratory Infections Among Children Under 5 Years in Senegal
Dieng Assane1, Camara Makhtar1, Diop Abdoulaye1, Fall Amary2, Boiro Djibril3, Diop Amadou1, Diouf
Jean Baptiste Niokhor4, Diop Amadou5, Loucoubar Cheikh6, Dia Ndongo2, Niang Mbavame2, Fall
Lamine7 and Beye Cheikh Saad Bouh1
Microbiology Insights Volume 11: 1–5 , 2018

Confirmed Case of Buruli Ulcer, Senegal, 2018

Grace Anne Turner, Abdoulaye Seck, Assane Dieng, Saër Diadie, Babacar Ndiaye, Tabitha D. van
Imeerzeel, Moussa Diallo, Marie Kempf, Raymond Bercion, Cheikh Saad-Bouh Beye
RESEARCH LETTERS

Antibiotic susceptibility profile of Streptococcus pneumoniae isolated from acute respiratory infection in
Dakar: a cross sectional study Abdoulaye Diop,1Makhtar Camara,1Abdoulaye Seck,2Assane
Dieng,1Amadou Diop,1Amary Fall,2 Cherif Ibrahima, Khalil Diop, 3Djibril Boiro, 4Jean Baptiste Niokhor
Diouf, 5Ibrahima Sene,1
Microbiologia Medical 2018; volume 33:7862

2017

Antibiotic resistance of bacteria responsible of acute respiratory tract infections in children Makhtar
Camara,1Assane Dieng,1Abdoulaye Diop,1Amadou Diop,1Amadou Diop,2Djibril Boiro,3 Jean Baptiste
Niokhor Diouf,4Amary Fall,5Ousmane Ndiaye,3Mbavame Niang,5Cheikh Saad Bouh Beye1
Microbiologia Medica 2017; volume 32:6489

Identification of atypical El Tor V. cholerae O1 Ogawa hosting SXT element in Senegal, Africa
Bissoume Samb-Ba1, Mamadou Hadi Diallo1, Abdoulaye Seck2, Abdoul Aziz Wane1, Guillaume
CONSTANTIN DE MAGNY3, Cheikh Saad-Bouh Beye2, Ahmad Ivane Sow4, Amy Gassama-Sow
Journal: Frontiers in Microbiology , 2017

Identification par MALDI TOF et profil de sensibilité des souches d'Haemophilus influenzae isolées
d'infections du tractus respiratoire chez des enfants de moins de 5 ans. Identification by MALDI TOF and
antimicrobial susceptibility of Haemophilus influenzae isolated from respiratory tract infections in children
under 5 years. Dieng A1, Camara M1, Samb-Ba B2, Keita Y3, Diop A1, Boireau D4, Diouf JBN5, Diop A1,
Fall B2, Beye CSB
African Journal of Medical Biology / Revue Africaine de Biologie Médicale - Année 2017; Tome 2 (N°3) -
Avril 2017

Children under five years of age in Senegal: A group highly exposed to respiratory viruses infections Amary
Fall1, Assane Dieng2, Serigne Fallou Wade3, Abdoulaye Diop2, Jean Baptiste Niokhor Diouf4, Djibril
Boiro5, Younoussa Keita6, Assane Sylla5, Ousmane Ndiaye5, Cheikh Saad Bouh Beye2, Mbavame Niang1*
and Ndongo Dia1*
Virol Res Rev, 2017 doi: 10.15761/VRR.1000121 Volume 1(4): 1-7

2016

SEROPREVALENCE OF RUBELLA IgG ANTIBODY IN PREGNANT WOMEN IN YAOUNDE,
CAMEROON

1, *Louise Stéphanie Makemgue, 1Eno, A.A., 1Tonve, D.S., 2Beye, C.S., 3Seck, A., 3Bercion, R., 4Vauloup-
Fellous, C. and 1Tchuem Tchuente, L.A.
International Journal of Information Research and Review Vol. 03, Issue, 11, pp. 3008-3012, November,
2016

Antibiotic Susceptibility of Streptococcus Pvoegenes Isolated from Respiratory Tract Infections in Dakar,
Senegal Makhtar camara, Assane Dieng and cheikh saad bouh boy
Microbiology insights 2013:6

2014

- **2014** ACTIVITÉS ANTIMICROBIENNES DE DEUX PLANTES DE LA PHARMACOPÉE TRADITIONNELLE DU SÉNÉGAL ANTIMICROBIAL ACTIVITIES OF TWO PLANTS OF TRADITIONAL PHARMACOPEAE OF SENEGAL Dakar *Med.* 2014 ;59(1)
Balde M1, Diedhiou A1, Ndoye I1, Sarr M2, Sylla R1, Dieng MF1, Sy S1, Boye CSB3, Wele A
- **2014:** Multicentric study in five African countries of antibiotic susceptibility for three main pathogens: Streptococcus pneumoniae, Staphylococcus aureus, and Pseudomonas aeruginosa. *Journal of Chemotherapy* 2014
Khalid Zerouali, N. Ramdani-Bouguessa, C. Boye, A. Hammami, The Active 2 Group
- **2014: Validation of a structural comparison of the antigenic characteristics of Usutu virus and West Nile virus envelope proteins.** *Virus Res* 2014 May 26; 189C:87-91. Epub 2014 May 26.v Birgit Nikolay, Gamou Fall, Cheikh Saad Bouh Boye, Amadou Alpha Sall, Tim Skern.
- **2014: Human papillomavirus infection in women in four regions of Senegal.** *J Med Virol* 2014 Feb 11; 86(2):248-56. Epub 2013 Sep 11. El Hadji Seydou Mbaye, Tarik Gheit, Ahmadou Dem, Sandrine McKay-Chopin, Ndeye Coumba Toure-Kane, Souleymane Mboup, Massimo Tommasino, Bakary S Sylla, Cheikh Saad Bouh Boye.
- **2013: Antibiotic susceptibility of streptococcus pyogenes isolated from respiratory tract infections in Dakar, Senegal.** *Microbiol Insights* 2013 29; 6:71-5. Epub 2013 Oct 29. Makhtar Camara, Assane Dieng, Cheikh Saad Bouh Boye.
- **2013:** Birgit Nikolay; [Cheikh Saad-Bouh Boye](#); [Mawlouth Diallo](#); Anne Dupressoir; Ousmane Faye; Cadhla Firth; [Amadou A Sall Comparative full length genome sequence analysis of Usutu virus isolates from Africa.](#) *Virology journal* 2013; 10():217.
- **2012:** Birgit Nikolay; [Cheikh Saad-Bouh Boye](#); [Mawlouth Diallo](#); Ousmane Faye; [Amadou A Sall Vector competence of Culex neavei \(Diptera: Culicidae\) for Usutu virus.](#) *The American journal of tropical medicine and hygiene* 2012; 86(6):993-6.
- **2011:** Birgit Nikolay; [Cheikh Saad-Bouh Boye](#); [Mawlouth Diallo](#); Amadou Alpha Sall [Usutu virus in Africa.](#) *Vector borne and zoonotic diseases (Larchmont, N.Y.)* 2011; 11(11):1417-23.
- **2010:** J M Sire; P S Sow; L Chartier; B Ndiaye; M Ndaye; F Diène Sarr; [Muriel Vray](#); [Cheikh Saad-Bouh Boye](#); S M'boup; P L'her; J M Debonne; C Mayaud; B Diop [\[Aetiology of AFB negative pneumonias in hospitalized HIV patients in Dakar\]](#). *Revue des maladies respiratoires* 2010; 27(9):1015-21.
- **2009:** Abdoulaye Seck; Mouhamadou Mbengue; [Amy Gassama-Sow](#); Lamine Diouf; Mouhamadou Mourtalla Ka; [Cheikh Saad-Bouh Boye.](#) [Antibiotic susceptibility of Helicobacter pylori isolates in Dakar, Senegal.](#) *Journal of infection in developing countries* 2009; 3(2):137-40.

- **2007:** [Alfred Dieudonné Kinana; Eric Cardinale; Ibrahim Bahoun; Fatou Tall; Jean-Marie Sire; Benoit Garin; Cheikh Saad-Bouh Boye; Jacques-Albert Dromigny; Jean-David Perrier-Gros-Claude. Analysis of topoisomerase mutations in fluoroquinolone-resistant and -susceptible *Campylobacter jejuni* strains isolated in Senegal.](#) International journal of antimicrobial agents 2007; 29(4):397-401.
- **2007:** [Amy Gassama Sow; Abdoul Aziz Wane; Mamadou Hadi Diallo; Cheikh Saad-Bouh Boye; Awa Aïdara-Kane. Genotypic characterization of antibiotic-resistant *Salmonella enteritidis* isolates in Dakar, Senegal.](#) Journal of infection in developing countries 2007; 1(3):284-8.
- **2006:** [Alfred Dieudonné Kinana; Eric Cardinale; Fatou Tall; Ibrahim Bahoun; Jean-Marie Sire; Benoit Garin; Sebastien Breurec; Cheikh Saad-Bouh Boye; Jean-David Perrier-Gros-Claude. Genetic diversity and quinolone resistance in *Campylobacter jejuni* isolates from poultry in Senegal.](#) Applied and environmental microbiology 2006; 72(5):3309-13.
- **2006:** [Amy Gassama-Sow; M H Diallo; Cheikh Saad-Bouh Boye; Benoit Garin; Jean-Marie Sire; AI Sow; Awa Aïdara-Kane. Class 2 integron-associated antibiotic resistance in *Shigella sonnei* isolates in Dakar, Senegal.](#) International journal of antimicrobial agents 2006; 27(3):267-70.
- **2003:** [C N F Kesah; Saida Ben Redjeb; TO Odugbemi; Cheikh Saad-Bouh Boye; M Dosso; J O Ndinya Achola; S Koulla-Shiro; Mohamed Benbachir; K Rahal; Michael A Borg. Prevalence of methicillin-resistant *Staphylococcus aureus* in eight African hospitals and Malta.](#) Clinical microbiology and infection: the official publication of the European Society of Clinical Microbiology and Infectious Diseases 2003; 9(2):153-6.
- **2003:** [M Mbengue; A Seck; daouda Dia; ML Diouf; Mamadou Mourtalla Ka; Cheikh Saad-Bouh Boye; Souleymane Mboup; Therese Moreira Diop \[Gastroduodenal peptic ulcer: descriptive study\].](#) Dakar médical 2003; 48(3):176-80.
- **2001:** [Mohamed Benbachir; S Benredjeb; Cheikh Saad-Bouh Boye; M Dosso; Habiba Belabbes; A Kamoun; O Kaire; Naima ElMdaghri. Two-year surveillance of antibiotic resistance in *Streptococcus pneumoniae* in four African cities.](#) Antimicrobial agents and chemotherapy 2001; 45(2):627-9.
- **2001:** [EF Ka; Boucar Diouf; M Mbengue; ML Diouf; Cheikh Saad-Bouh Boye; Therese Moreira Diop. \[Nasal carriage of *Staphylococcus aureus* at a hemodialysis unit in Dakar\].](#) Dakar médical 2001; 46(2):133-7.
- **2000:** [EA Macondo; F Ba; A Gaye-Diallo; Ndeye Coumba Touré Kane; O Kairé; Aissatou Gueye-Ndiaye; Cheikh Saad-Bouh Boye; Souleymane MBoup. Rapid susceptibility testing of *Mycobacterium tuberculosis* by the Mycobacteria Growth Indicator Tube \(MGIT AST SIRE\).](#) Clinical microbiology and infection: the official publication of the European Society of Clinical Microbiology and Infectious Diseases 2000; 6(7):363-7.
- **2000:** [EA Macondo; F Ba; N C Toure-Kane; O Kaire; Aissatou Gueye-Ndiaye; A Gaye-Diallo; Cheikh Saad-Bouh Boye; Souleymane MBoup \[Improvement of tuberculosis diagnosis by the](#)

[Mycobacteria Growth Indicator Tube \(MGIT\) in a developing country laboratory](#)]. Bulletin de la Société de pathologies exotique (1990) 2000; 93(2):97-100.

- **1999:** [Amy Gassama; Cheikh Saad-Bouh Boye; S K Ndao; O Kairé; I Coly; EA Macondo; AI Sow; L Diaw; M Diop-Diop; Souleymane MBoup \[Micromethod for the identification of streptococcal, enterococcal and staphylococcal species\]](#). Dakar médical 1999; 44(1):76-83.
- **1999:** [Amy Gassama; Cheikh Saad-Bouh Boye; I Ndir; O Kairé; I Coly; AI Sow; EA Macondo; M Diop-Diop; Souleymane MBoup. \[Micromethod for identification of enterobacteria\]](#). Dakar médical 1999; 44(1):69-75.
- **1998:** [A Aidara; S Koblavi; Cheikh Saad-Bouh Boye; G Raphenon; Amy Gassama; Francine Grimont; Patrick A D Grimont. Phenotypic and genotypic characterization of Vibrio cholerae isolates from a recent cholera outbreak in Senegal: comparison with isolates from Guinea-Bissau](#). The American journal of tropical medicine and hygiene 1998; 58(2):163-7.
- **1998:** [AI Sow; A Wade; Mame Awa FAYE; Moussa Seydi; Cheikh Saad-Bouh Boye; M Soumare; M Gaye; NM Dia; MF Cisse. \[Methicillin-resistant Staphylococcus aureus in Dakar\]](#). Médecine tropicale: revue du Corps de santé colonial 1998; 58(2):155-7.
- **1997:** [A Aidara-Kane; Cheikh Saad-Bouh Boye; S Koblavi; Francine Grimont; Patrick A D Grimont. Isolation of a new variant of Vibrio cholerae O1: V. cholerae O1 ribotype B27 toxinogenotype TB31 during the last cholera epidemic in Senegal](#). Japanese journal of medical science & biology 1997; 50(6):227-32.
- **1997:** [AI Sow; Mame Awa FAYE; E M Mboup; Cheikh Saad-Bouh Boye; MF Cisse; Cheikh Tidiane Ndour; M Soumare; Moussa Seydi; M Gaye. \[Sensitivity profiles of enterobacteria isolated at the Fann University Hospital Center, Dakar\]](#). Dakar médical 1997; 42(2):123-6.
- **1996:** [Cheikh Saad-Bouh Boye; A Diop; O Kaire; Ibrahima Ndoye; Jean-Charles Moreau; N S Niang; Fadel Diadhiou; Souleymane MBoup \[Phenotypic differences of nosocomial bacterial strains isolated in the obstetric-gynecology service of the University Hospital Center of Dakar\]](#). Bulletin de la Société de pathologie exotique (1990) 1996; 89(4):245-51.
- **1995:** [AI Sow; D Yalta; Cheikh Saad-Bouh Boye; D Diedhiou/Badiane; E Bassene \[Antibacterial activity of essential oils from mint in Senegal\]](#). Dakar médical 1995; 40(2):193-5.
- **1995:** [Jean-Charles Moreau; L Rupari; P Dionne; Ababacar Diouf; F Diouf; Cheikh Saad-Bouh Boye; G Gaye-Woto; V Mendes; M D Bah; Fadel Diadhiou. \[Epidemiological and anatomico-clinical features of extra-uterine pregnancies at the Dakar University Hospital Center\]](#). Dakar médical 1995; 40(2):175-9.
- **1994:** [A Dieng Sarr; N C Toure Kane; N D Samb; Cheikh Saad-Bouh Boye; I K Diaw; G Diouf; I N'Doye; S M'Boup \[Importance of culture media choice in the isolation of Haemophilus ducreyi. Experience in Senegal\]](#). Bulletin de la Société de pathologie exotique (1990) 1994; 87(1):22-7.

- **1993:** M F Cissé; [AI Sow](#); E Dièye-Sarr; [Cheikh Saad-Bouh Boye](#); A Gaye-Diallo; D Diop; [Souleymane MBoup](#); A Samb. [[Antibiotic sensitivity of Salmonella strains isolated in a pediatric population in Dakar. Research of beta-lactamase and plasmids](#)]. Bulletin de la Société de pathologie exotique (1990) 1993; 86(1):43-7.
- **1993:** [Philippe Roingear](#); [Ababacar Diouf](#); [Jean-louis Sankale](#); [Cheikh Saad-Bouh Boye](#); [Souleymane MBoup](#); [Fadel Diadhiou](#); M Essex [Perinatal transmission of hepatitis B virus in Senegal, west Africa](#). Viral immunology 1993; 6(1):65-73.
- **1993:** [AI Sow](#); L Ndiaye; [MF Cisse](#); A Gaye-Diallo; [Cheikh Saad-Bouh Boye](#); A Samb [[Urinary bacteriology in the elderly in the tropical zone: results of 5 years of activities at the CHU of Fann in Dakar](#)]. Dakar médical 1993; 38(1):7-10.
- **1992:** [Phyllis J Kanki](#); S M'Boup; [Richard Marlink](#); [KU Travers](#); [Chung-Cheng Hsieh](#); A Gueye; [Cheikh Saad-Bouh Boye](#); [Jean-louis Sankale](#); C Donnelly; W Leisenring. [Prevalence and risk determinants of human immunodeficiency virus type 2 \(HIV-2\) and human immunodeficiency virus type 1 \(HIV-1\) in West African female prostitutes](#). American journal of epidemiology 1992; 136(7):895-907.
- **1992:** [AI Sow](#); [MF Cisse](#); I Sanou; A Diallo-Gaye; P D Diop; [Cheikh Saad-Bouh Boye](#); [Souleymane MBoup](#); A Samb. [[Evaluation of Vibrio cholerae isolation over 10 years in CHU Fann](#)]. Dakar médical 1992; 37(2):113-6.
- **1991:** [MF Cisse](#); M Ba; [AI Sow](#); [Cheikh Saad-Bouh Boye](#); A Gaye-Diallo; D Diop; [Souleymane MBoup](#); A Samb [[Neonatal bacterial infections: a retrospective study over 8 years](#)]. Dakar médical 1991; 36(2):145-53.
- **1991:** [MF Cisse](#); A Gaye-Diallo; [Cheikh Saad-Bouh Boye](#); Y Boubakari; [AI Sow](#); [Souleymane MBoup](#); A Samb [[Salmonellosis: evaluation of 606 strains isolated in Dakar](#)]. Dakar médical 1991; 36(1):71-5.
- **1990:** [Fadel Diadhiou](#); [Souleymane MBoup](#); F Koly; [Cheikh Saad-Bouh Boye](#); [Jean-Charles Moreau](#). [[Urinary infections in gynecological practice at DAKAR U.H.C](#)]. Dakar médical 1990; 35(1):1-9.
- **1989:** [MF Cisse](#); R A Ouangre; A Gaye; [Cheikh Saad-Bouh Boye](#); [AI Sow](#); [Souleymane MBoup](#); A Samb; MD Fall [[Causes of infectious gastro-enteritis in children in Dakar](#)]. Presse médicale (Paris, France: 1983) 1989; 18(37):1827-30.
- **1989:** A Gaye; M F Cissé; [Cheikh Saad-Bouh Boye](#); P Dawé; [AI Sow](#); [Souleymane MBoup](#); A Samb. [[Serotypes, biotypes and antibiotypes of Salmonella typhi murium strains isolated in Senegal](#)]. Presse médicale (Paris, France: 1983) 1989; 18(35):1753.
- **1989:** [MF Cisse](#); A Gaye; [Cheikh Saad-Bouh Boye](#); [Souleymane MBoup](#); A Samb; V Vaillant; [Gérard Ages](#); G Dindinaud; M Castets. [Sensitivity of Mycobacterium tuberculosis strains to antituberculosis drugs isolated at Dakar University Hospital, from 1987 to 1988](#). Bulletin of the International Union against Tuberculosis and Lung Disease 1989; 64(3):26-8.

- **1989:** [MF Cisse](#); B Leguenno; S Sourabie; A Gaye; [Cheikh Saad-Bouh Boye](#); [Souleymane MBoup](#); [A Samb](#) [[Electrophoretotypes of the genome of rotaviruses isolated from Senegalese children](#)]. Bulletin de la Société de pathologie exotique et de ses filiales 1989; 82(5):637-44.
- **1988:** [MF Cisse](#); [Cheikh Saad-Bouh Boye](#); A Gaye; M E Seddoh; I Sow; [Souleymane MBoup](#); [A Samb](#). [[Role of Chlamydia trachomatis in the etiology of bacterial conjunctivitis in Dakar \(preliminary results\)](#)]. Dakar médical 1988; 33(1-4):75-8.
- **1988:** [MF Cisse](#); A Gaye; [Cheikh Saad-Bouh Boye](#); R A Ouangre; I Sow; [Souleymane MBoup](#); [A Samb](#); MD Fall. [[Etiologies of acute gastroenteritis in a pediatric hospital. Analysis of 939 stools at the Hospital d'Enfants Albert Royer of the UHC of Dakar](#)]. Dakar médical 1988; 33(1-4):22-6.
- **1988:** A Aidara; M Arborio; [A Samb](#); I Diop-Mar; [Cheikh Saad-Bouh Boye](#); [Bernard M Diop](#) [[Incidence of pathogenic Escherichia coli in acute infantile diarrhea in Dakar](#)]. Bulletin de la Société de pathologie exotique et de ses filiales 1988; 81(2):202-10.
- **1988:** [MF Cisse](#); B Le Guenno; A Gaye; [Cheikh Saad-Bouh Boye](#); S Sourabie; [Souleymane MBoup](#); [A Samb](#). [[Electrophoretic types of RNA from human rotaviruses isolated from a population of children in Dakar \(Senegal\)](#)]. Dakar médical 1988; 33(1-4):56-9.
- **1987:** [Phyllis J Kanki](#); S M'Boup; D Ricard; F Barin; F Denis; [Cheikh Saad-Bouh Boye](#); L Sangare; [KU Travers](#); M Albaum; [Richard Marlink](#). [Human T-lymphotropic virus type 4 and the human immunodeficiency virus in West Africa](#). Science (New York, N.Y.) 1987; 236(4803):827-31.
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