

Professor Ali Ould Mohamed Salem El Boukhary

B.Sc, M.Sc, PhD, HDR

President of the University of Nouakchott

Nouakchott, Mauritania



Phone number: 00 222 48804582

Mail : [ali.msboukhary@univ-nkc.mr](mailto:ali.msboukhary@univ-nkc.mr)

alimedsalem@gmail.com [www.una.mr](http://www.una.mr)

## Academic Background

Ali Ould Mohamed Salem El Boukhary successfully underwent high graduate studies in Biology, with a BSc in Microbiology at the University of Mosul, (Iraq), MSc and PhD in Genetics and molecular Biology from the university of Tunis Al Manar (Tunisia) and a university habilitation to direct research (HDR) from the University of Mohamed V (Morocco). He first taught during two years (1999-2001) in the Tunisian University of Bizerte and Sfax before he was recruited in the Mauritanian University of Nouakchott since 2002.

## University Appointments

Prof El Boukhary is now full Professor of Biochemistry and Molecular Biology, at the Faculty of Science, University of Nouakchott, Mauritania, where he taught since 2002 several courses including Biochemistry, Molecular and Cellular Biology and Biotechnology.

He was the head of the department of Biology (2005-2008), then successively Director of Higher Education and Director of Scientific Research and Innovation at the Ministry of Higher Education and Scientific Research (Mauritania) during the period 2010-2018.

By the end of 2018, he returned to the University where he held the position of the Director of Scientific Research at the Presidency of the University of Nouakchott.

By October 15, 2024, Prof El Boukhary was promoted as The President of the University of Nouakchott for a mandate of 4 years.

## Research

His research interest includes parasitology, public health, infectious diseases, medical entomology, particularly vector borne diseases, and emerging infectious diseases. By July 2020, Prof El Boukhary has co-authored more than 80 publications in the international literature. He has published major studies and reviews in the field of infectious diseases and medical entomology. According to Google Scholar (Accessed September 2025), Prof El Boukhary has 1735 citations, a h-index of 23 and a i10-index of 47.

## Director

By July 7, 2020, Prof El Boukhary was promoted as the Director of the National Agency in charge of research funding in Mauritania.

Between 2014-2018, Prof El Boukhary co-coordinated two scientific projects, funded by the French initiative 5%, “Sida, tuberculosis, malaria” and the French Institute for Research and Development “IRD”, respectively.

Until now, he directed six PhD Thesis and several Master Sciences.

Between 2013 and 2022, he supervised the research unit – Génomes et milieux-. This unit works deals with the topic of endemic infectious diseases in Mauritania (malaria, bilharziasis, leishmaniasis, dengue fever, RVF, ...) and their vectors (*Anopheles* spp, *Aedes* spp., *Phlebotomus*, ...).

## Awards

Prof El Boukhary has received two prizes and awards including the French “Chevalier des palmes académiques” in 2017 and the prestigious Mauritanian National prize for Sciences and Techniques known as “Prix Chinguitt des Sciences” in 2014. .

## List of indexed publications for the period (2009-2020)

1. Sileye Mamadou Diallo, Hervé Bogreau, Nasseridine Papa Mze, Mohamed Salem Ould Ahmedou Salem, Mohamed Lemine Ould Khairy, Philippe Parola, Leonardo Basco and **Ali Ould Mohamed Salem Boukhary**. Malaria epidemiology in Kobeni department, southeastern Mauritania from 2015 to 2017. **Infect Dis Poverty** 2020;**9**:21. <https://doi.org/10.1186/s40249-020-0634-5>
2. Rougeron V, Elguero E, Arnathau C, Acuña Hidalgo B, Durand P, Houze S, Antoine Berry<sup>3,4</sup>, Zakeri S, Haque R, Alam MS, Nosten F, Severini C, Woldearegai GT, Mordmuller B, Kremsner PG, Gonzalez-Cero L, Fontecha G, Gamboa D, Musset L, Legrand E, Noya O, Pumpaibool T, Harnyuttanakorn P, Mint Lekweiry K, Albsheer MM, Abdel Hamid MM, **Ould Mohamed Salem Boukhary A**, Trape J-F, Renaud F, Prugnolle F. Human *Plasmodium vivax* diversity, population structure and evolutionary origin. **PLoS Negl Trop Dis** 2020;**14**(3): e0008072. <https://doi.org/10.1371/journal.pntd.0008072>
3. Djigo OM, Mohamed Abdallahi Bollahi, Moïna Hasni Eboul, Mohamed Salem Ould Ahmedou Salem, Rachida Tahar, Herve' Bogreau, Leonardo Basco, **Ali Ould Mohamed Salem Boukhary**. Assessment of glucose-6-phosphate dehydrogenase activity using CareStart G6PD rapid diagnostic test and associated genetic variants in *Plasmodium vivax* malaria endemic setting in Mauritania. **PLoS ONE** 2019;**14**(9): e0220977.
4. Mint Deida J, Tahar R, Ould Khalef Y, Mint Lekweiry K, Hmeyade A, Ould Khairy ML, Simard F, Bogreau H, Basco L, **Ali Ould Mohamed Salem Boukhary**. Oasis malaria, northern Mauritania. **Emerg Infect Dis.** 2019;**25**(2).
5. Jemila Mint Deida, Yacoub Ould Khalef, Emal Mint Semane, Mohamed Salem Ould Ahmedou Salem,
6. Hervé Bogreau, Leonardo Basco, **Ali Ould Mohamed Salem Boukhary** and Rachida Tahar. Assessment of drug resistance associated genetic diversity in Mauritanian isolates of *Plasmodium vivax* reveals limited polymorphism. **Malaria J.** 2018;**17**:416
7. Ould Lemrabott MA, Ould Ahmedou Salem MS, Ould Brahim K, Brengues C, Rossignol M, Bogreau H, Basco L, Belghyti D, Simard F, **Ould Mohamed Salem Boukhary A**. Seasonal abundance, blood meal sources and insecticide susceptibility in major anopheline malaria vectors from southern Mauritania. **Parasit Vectors** (2018) **11**:232
8. Mint Mohamed Lemine A, Ould Lemrabott MA, Niang EHA, Basco L, Bogreau H, Faye O, **Ould Mohamed Salem Boukhary A**. Pyrethroid resistance in the major malaria vector *Anopheles arabiensis* in Nouakchott, Mauritania. **Parasit. Vectors.** 2018; **11**:344
9. Mint Mohamed Lemine A, Ould Lemrabott MA, Ebou MH, Mint Lekweiry K, Ould Ahmedou Salem MS, Ould Brahim K, Mohamed Ouldabdallahi Moukha, Issa Nabiyoullahi Ould Bouraya, Cecile Brengues, Jean-François Trape, Leonardo Basco, Hervé Bogreau, Frédéric Simard, Ousmane Faye and **Ali Ould Mohamed Salem Boukhary**. Mosquitoes (Diptera: Culicidae) in Mauritania: a review of their biodiversity, distribution and medical importance. **Parasit Vectors.** 2017;**10**:35.
10. Ould Ahmedou Salem et al. Characterization of *Plasmodium falciparum* genes associated with drug resistance in Hodh Elgharbi, a malaria hotspot near Malian–Mauritanian border. **Malar J.** 2017;**16**:140
11. Khadijetou Mint Lekweiry, **Ali Ould Mohamed Salem Boukhary**, Tiphaine Gaillard, Nathalie Wurtz, Hervé Bogreau, Jamal Eddine Hafid, Jean-François Trape, Housem Bouchiba, Mohamed Salem Ould Ahmedou Salem, Bruno Pradines, Christophe Rogier, Leonardo K. Basco and Sébastien Briolant : Molecular surveillance of drug-resistant *Plasmodium vivax* using pvdhfr, pvdhps and pvmdr1 markers in Nouakchott, Mauritania. **J Antimicrob Chemother** 2012, **67**(2): 367-374.
12. Khadijetou Mint Lekweiry, Leonardo K. Basco, Mohamed Salem O. Ahmedou Salem, Jamal Eddine Hafid, Adeline Marin-Jauffre, Abdallahi O. Weddih, Sébastien Briolant, Hervé Bogreau, Bruno Pradines, Christophe Rogier, Jean-François Trape and **Ali O. Mohamed Salem O. Boukhary** : Malaria prevalence and morbidity among children reporting at health facilities in Nouakchott, Mauritania. **Trans Royal Soc Trop Med Hyg.** 2011;**105**: 727– 733.
13. Khadijetou Mint Lekweiry, Mohamed Ould Abdallahi, Hampate Ba, Céline Arnathau, Patrick Durand, Jaen François Trape and **Ali Ould Mohamed Salem**: Preliminary study of malaria incidence in Nouakchott, Mauritania, **Malaria J.** 2009;**8**:92.
14. Mohamed Salem Ould Ahmedou Salem, Magatte Ndiaye, Mohamed Ould Abdallahi, Khadijetou Mint Lekweiry, Hervé Bogreau, Lassana Konaté, Babacar Faye, Oumar Gaye, Ousmane Faye, **Ali Ould Mohamed Salem Boukhary**. Polymorphism of the merozoite surface protein-1 block 2 region in *Plasmodium falciparum* isolates from Mauritania, **Malaria J.** 2013;**12**:26
15. Khadijetou Mint Lekweiry, Mohamed Salem Ould Ahmedou Salem, Khyarhoum Ould Brahim, Mohamed Aly Ould Lemrabott, Cécile Brengues, Ousmane Faye, Frédéric Simard and **Ali Ould Mohamed Salem Boukhary**: *Aedes aegypti* (Diptera: Culicidae) in Mauritania: First report on the presence : of the Arbovirus Mosquito Vector in Nouakchott. **J Med Entomol** 52(4): 730–733.
16. Khadijetou Mint Lekweiry, Mohamed Salem Ould Ahmedou Salem, Leonardo K Basco, Sébastien Briolant, Jamaledine Hafid and **Ali Ould Mohamed Salem Boukhary** : Malaria in Mauritania: retrospective and prospective overview. **Malaria J** (2015) **14**:100.
17. Mint Lekweiry K, Ould Ahmedou Salem M.S., Cotteaux-Lautard C., Jarjaval F., Marin-Jauffre A., Bogreau H., Basco L, Briolant S., **Ould Mohamed Salem Boukhary A.**, Ould Brahim I., Pagès F: Circumsporozoite protein rates, blood-feeding pattern and frequency of knockdown resistance mutations in *Anopheles* spp. in two ecological zones of Mauritania. **Parasit Vectors** 2016;**9**:268
18. Mohamed Ouldabdallahi, Ismail Alew, Mohamed Salem Ould Ahmedou Salem, Mamadou dit Dialaw Ba, **Ali Ould Mohamed Salem Boukhary**, Mohamed Lemine Ould Khairy, Mohamed Boubacar Abdel Aziz, Pascal Ringwald, Leonardo K Basco, Saidou Doro Niang and Sid Mohamed Lebatt : Efficacy of artesunate-amodiaquine for the treatment of acute uncomplicated falciparum malaria in southern Mauritania. **Malaria J.** 2014, **13**:496.

19. Mohamed Salem Ould Ahmedou Salem, Khadijetou Mint Lekweiry, Jemila Mint Deida, Ahmed Ould Emouh, Mohamed Ould Weddady, **Ali Ould Mohamed Salem Boukhary**, and Leonardo K. Basco : Increasing Prevalence of Plasmodium vivax among Febrile Patients in Nouakchott, Mauritania. **Am. J. Trop. Med. Hyg.**, **92(3)**, **2015:537–540**.
20. Mohamed Salem Ould Ahmedou Salem, Leonardo K. Basco, Mohamed Ouldabdallahi, Khadijetou Mint Lekweiry, Lassana Konaté, Ousmane Faye, **Ali Ould Mohamed Salem Boukhary**: Malaria-associated morbidity during the rainy season in Saharan and Sahelian zones in Mauritania. **Acta Tropica** **152 (2015): 1–7**
21. Mohamed Salem Ould Ahmedou Salem, Yeslim Ould Mohamed Lemine, Jemila Mint Deida, Mohamed Aly Ould Lemrabott, Mohamed Ouldabdallahi, Mamadou dit Dialaw Ba, **Ali Ould Mohamed Salem Boukhary**, Mohamed Lemine Ould Khairy, Mohamed Boubacar Abdel Aziz, Pascal Ringwald, Leonardo K Basco, Saidou Doro Niang and Sidi Mohamed Lebat : Efficacy of chloroquine for the treatment of Plasmodium vivax in the Saharan zone in Mauritania. **Malaria J.** **2015;14:39**.
22. Nathalie Wurtz, Khadijetou Mint Lekweiry, Hervé Bogreau, Bruno Pradines, Christophe Rogier, **Ali Ould Mohamed Salem Boukhary**, Jamal Eddine Hafid, Mohamed Salem Ould Ahmedou Salem, Jean-François Trape, Leonardo K Basco and Sébastien Briolant: Vivax malaria in Mauritania includes infection of a Duffy-negative individual. **Malaria J.** **2011;10: 336**.
23. Ould Ahmedou Salem Mohamed Salem, M. Lekweiry Khadijetou, M. Hasni Moina, Konata Lassana, Briolant Sébastien, Faye Ousmane and **Ould Mohamed Salem Boukhary Ali**: Characterization of anopheline (Diptera: Culicidae) larval habitats in Nouakchott, Mauritania. **J Vec Borne Dis** **2013, 302- 306**.