

# CURRICULUM VITAE

**Name** TRAORE  
**Surname** Yves  
**Country** BURKINA FASO  
**Nationality** BURKINABE / FRENCH  
**Permanent Adress** 01 BP 1323 OUAGADOUGOU, Burkina Faso

## EDUCATION

<u>Institution and Place</u>	<u>Diploma</u>	<u>Year</u>	<u>Field</u>
University Aix-Marseille II, FR	PhD	1994	Immunology
University Aix-Marseille II, FR	D.U. 3è cycle	1990	Immunology
University Aix-Marseille II, FR	CESU	1990	Immunology
University Ouagadougou, BF	MAITRISE	1989	Biochemistry
University Ouagadougou, BF	LICENCE	1988	Biology
University Ouagadougou, BF	DEUG II	1987	Biology
University Ouagadougou, BF	BACCALAUREAT	1985	Sciences

## PROFESSIONAL EXPERIENCE

**From June 2014** **Managing Director, Sysmex Partec Burkina Faso**

**2006-2014** **COO, Partec West Africa SARL, Burkina Faso**

**From July 2014** **Full Professor** in Immunology, University of Ouagadougou

**October-December 2007** **Invited Professor** Université de la Méditerranée ; Marseille  
**Master II Immunotechnology**

**From July 2007** **Professor in** Immunology, University of Ouagadougou,

**2003-2007** **Associate Professor** in Immunology, University of Ouagadougou,

<b>2001-2003</b>	<b>Immunology Lecturer</b> , University de Ouagadougou, Faculty of Science and Medecine
<b>2002-2003</b>	<b>PI</b> for Centre Muraz in the study « Bacterial Meningitis surveillance in Bobo-Dioulasso, Burkina Faso »
<b>1998-2002</b>	<b>Biological studies Monitor</b> for Centre Muraz ANRS (Agence Nationale de Recherche sur le Sida) financed projects
<b>1994-2001</b>	<b>Temporary Teacher</b> in Immunology, Université of Ouagadougou, Faculty of Science and Medecine
<b>1994-1997</b>	<b>Associate Researcher</b> , Immunology and Molecular Biology, Centre Muraz, Bobo-Dioulasso BURKINA FASO. <b>Projet</b> : “Immunology and genetic of human resistance to malaria”
<b>1990 - 1994</b>	<b>Associate Researcher</b> , Immunotech S.A. Marseille FRANCE : “Production and characterization of monoclonal antibodies against human leucocytes antigens”

## MAJOR PUBLICATIONS

**PhD** : “*Different aspects of CD34 molecule polymorphism ; human immature heamatopoïetic cells antigen.* ”

Université Aix Marseille II January 1994

### IMMUNOTECHNOLOGY

- 1. Yves Traoré**, Joelle Hirn (1994)  
Certain anti-CD34 monoclonal antibodies induce homotypic adhesion of leukemic cell lines in a CD18 dependent and a CD18 independent way.  
*Eur.J.Immunol.* 24, p.2304-2311.
- 2. Nathalie Debernardi**, Christophe Camilla, **Yves Traoré**, Joelle Hirn (1994)  
Antibody-coated magnetic particles for CD34+ cell separation  
Haematopoetic Stem Cells: The Mulhouse Manual, p.183-200.
- 3. C. Barrande**, **Y. Traoré**, G. Szekeres and J. Hirn (1993)  
Isolation and characterization of two new monoclonal antibodies against the CD34 molecule.  
*Hybridoma*, vol. 12, 2, p.203-213.

### HEPATITIS

1. Dominique Jeannel, , Cathérine Fretz, **Yves Traoré**, Nicolas Kohdjo, André Bigot, Emile Pê Gamy, Gislaine Jourdan, Kékoura Kourouma, Geert Maertens, Francis Fumoux, Jean-Jacques Fournel and Lieven Struyver (1998,) Evidence for high genetic diversity and long-term endemicity of hepatitis C virus genotypes 1 and 2 in West Africa  
*J. Med Vir.* 55; p92-97.

## MALARIA

1. Sanou, G.S., Tiendrébéogo, R.W., Ouédraogo, A.L., Diarra, A., Ouédraogo, A., Yaro, J.B., Ouédraogo, E., Verra, F., Behr, C., Troye-Blomberg, M., Mondiano, D., Dolo, A., Torcia, M.G., **Traoré, Y.**, Sirima, S.B., Nébié, I. (2012) Haematological parameters , natural regulatory CD4+CD25+FOXP3+Tcells and  $\gamma\delta$  T cells among two sympatric ethnic groups having different susceptibility to malaria in Burkina Faso. **BMC Research Notes.** 5:76: 1-12.

2. Zang-Edou, E.S., Bisvigou, U., Taoufiq, Z., Lekoulou, F., Lekana-Douki, J.B., **Traoré, Y.**, Mazier, D., Tore-Ndouo, F.S. (2010) Inhibition of Plasmodium falciparum field isolates-mediated endothelial cell apoptosis by Fasudil: therapeutic implications for severe malaria. **Plos One.** 5(10): 1-7.

3. Y. Ouattara, S. Sanon, Y. Traoré, V. Mahiou, N. Azas, L. Sawadogo (2006) Antimalarial activity of Swartzia Madagascariensis desv.(Leguminosea), Combretum Guill. & Perr. (Combretacea) and Tinospora Bakis Miers. (Menispermaceae), Burkina Faso Medical plants. *Afr. J. Trad. Cam* 3 (1) : 75-81.

4. C. Aucan, **Y. Traoré**, F. Fumoux and P. Rihet.( 2001) Familial correlation of immunoglobulin G subclass responses to plasmodium falciparum antigens in Burkina Faso  
*Infection and Immunity*; 69, 2 p996-1001.

5. C. Aucan, **Y. Traoré**, F. Tall, B. Nacro, T. Traoré-Leroux, F. Fumoux and P. Rihet (2000) High Immunoglobulin G2 (IgG2) and low IgG4 levels are associated with human resistance to *Plasmodium falciparum* malaria  
*Infection and Immunity*; 68, 3 p1252-1258.

6. P. Rihet, **Y. Traoré**, C. Aucan, T. Traoré-Leroux, B. Kumulungui, A. S. Traoré, L. Abel, F. Fumoux (1999) Genetic dissection of *Plasmodium falciparum* blood infection levels and other complex traits related to human malaria infection  
*Parasitologia* 41: p 83-87.

7. **Y.Traoré**, P. Rihet, T.Traoré-Leroux, C. Aucan P Gazin, M. Coosemans, A. Smits, L. Abel, F. Tall, B. Nacro, A. Traoré and F.Fumoux (1999) Analyse des facteurs génétiques contrôlant l'infection palustre chez l'homme.  
*Cahiers Santé*; 9 : 53-59.

8. P. Rihet, **Y.Traoré**, L. Abel, C. Aucan, T.Traoré-Leroux and F.Fumoux(1998) Human Malaria: *Plasmodium Falciparum* blood infection levels are linked to chromosome 5q31-33

*Am. J. Hum. Genet.* 63-2 ; p498-505.

9. P. Rihet, L. Abel, **Y.Traoré**, T.Traoré-Leroux, C. Aucan and F.Fumoux (1998) Human Malaria : Segregation Analysis of Blood Infection Levels in a Suburban and a Rural Area in Burkina Faso  
*Genet. Epidemiol.* (15) p435-450.
10. Ouédraogo, O., **Traore, Y.**, Corradin, G., Crisanti, A., Spaccapelo, R., & Nébié, I. (2017). Malaria vaccines: Genomic search for profiling naturally acquired immunity. *Immunology*, 18.

## MENINGITIS

1. Mueller, J.E., Yaro, S., Njanpop-Lafourcade, B.M., Drabo, A., Idohou, R.S., Kroman, S.S., Sanou, O., Diagbouga, S., **Traoré, Y.**, Sangaré, L., Borrow, R., Gessner, B.D. (2011) Study of a localized meningococcal meningitis epidemic in Burkina Faso : incidence, carriage, and immunity. **Journal of Infectious Diseases** .204(11):1787-95.
2. **Traoré, Y.**, Tameklo, T.A., Njanpop-Lafourcade, B.M., Yaro, S., Niamba, D., Drabo, A., Mueller, J.E., Koeck, J.L., Gessner, B.D. (2009) Incidence, seasonality, age distribution, and mortality of pneumococcal meningitis in Burkina Faso and Togo. **Clinical and Infectious Diseases**. 48 Suppl 2: s181-9.
3. Mueller, J.E., Yaro, S., Madec, Y., Somda, P.K., Idohou, R.S., Lafourcade, B.M., Drabo, A., Tarnagda, Z., Sangaré, L., **Traoré, Y.**, Fontanet, A., Gessner, B.D. (2008) Association of respiratory tract infection symptoms and air humidity with meningococcal carriage in Burkina Faso. **Tropical Medicine and International Health** 13(12):1543-52.
4. Yaro, S., **Traoré, Y.**, Tarnagda, Z., Sangaré, L., Njanpop-Lafourcade, B.M., Drabo, A., Findlow, H., Borrow, R., Nicolas, P., Gessner, B.D., Mueller, J.E. (2007) Meningococcal carriage and immunity in western Burkina Faso, 2003. **Vaccine**. 25 Suppl 1:A42-6.
5. Mueller, J.E., Sangaré, L., Njanpop-Lafourcade, B.M., Tarnagda, Z., **Traoré, Y.**, Yaro, S., Borrow, R., Gessner, B.D., Nicolas, P. (2007) Molecular characteristics and epidemiology of meningococcal carriage, Burkina Faso, 2003. **Emerging Infectious Diseases**. 13(6): 847-54.
6. Adjogble, K.L., LOURD, M., NJANPOP-LAFOURCADE, B.M., **TRAORE, Y.**, HLOMASCHI, A.F., AMEGATSE, K.A., AGBENOKO, K., SANOU, O., SITA, K., MUELLER, J.E., GESSNER, B.D. (2007) The epidemiology of *Neisseria meningitidis* meningitis in Togo during 2003-2005. **Vaccine**. 25 Suppl 1:A47-52
7. Findlow, H., Vogel, U., Mueller, J.E., Curry, A., Njanpop-Lafourcade, B.M., Claus, H., Gray, S.J., Yaro, S., **Traoré, Y.**, Sangaré, L., Nicolas, P., Gessner, B.D., Borrow, R. (2007) Three cases of invasive meningococcal disease caused by a capsule null locus strain circulating among healthy carriers in Burkina Faso. **Journal of Infectious Disease**. 195(7):1071-7.

8. Yaro S, Lourd M, Nacro B, Njanpop-Lafourcade BM, Hien A, Ouédraogo MS, Traoré Y, Schouls LM, Parent du Chatelet I, Gessner BD. (2006) The epidemiology of Haemophilus influenzae type b meningitidis in Burkina Faso. *Pediatr Infect Dis J* May; 25(5):415-9.
9. Yaro S, Lourd M, Traoré Y, Njanpop-Lafourcade BM, Sawadogo A, Sangaré L, Hien A, Ouédraogo MS, Sanou O, Parent du Chatelet I, Koeck JL, Gessner BD.(2006) Epidemiological and molecular characteristics of a highly lethal pneumococcal meningitis epidemic in Burkina Faso. *Clin Infect Dis*, Sep 15; 43(6):693-700.
10. Traoré Y, Njanpop-Lafourcade BM, Adjogble KL, Lourd M, Yaro S, Nacro B, Drabo A, Parent du Chatelet I, Mueller JE, Taka MK, Borrow R, Nicolas P, Alonso JM, Gessner BD (2006). The rise and fall of epidemic Neisseria meningitidis serogroup W135 meningitis in Burkina Faso, 2002-2005. *Clin Infect Dis* Oct 1; 43(7):817-22.
11. Judith E. Mueller , Seydou Yaro, **Yves Traoré**, Lassana Sangaré, Zekiba Tarnagda, Betty M. Lafourcade, Raymond Borrow, Bradford D. Gessner(2006), *Neisseria meningitidis*: Carriage and Immunity in Burkina Faso, *J Infect Dis*, 15, 193(6), 812-820.
12. Berthe-Marie NL, Yves T, Jean François A, Oumarou S, Mathilde L, Dario G, Alfred DS, Bradford DG, Muhammed T (2005)  
Contribution de la PCR à la surveillance microbiologique et épidémiologique des Méningites bactériennes Aigües en Afrique : a propos d'un transfert de technologie réussi au Centre Muraz de Bobo-Dioulasso, Burkina Faso  
*Revue Française des laboratoires*, N° 372 : 33-40.
13. Isabelle Parent du Châtelet, **Yves Traoré**, Bradford D, Gessner, Aude Antignac, Boubacar. Nacro, Berthe-Marie Njanpop-Lafourcade, Macaire S. Ouedraogo, Sylvestre R. Tiendrebeogo, Emmanuelle Varon, and Muhammed K. Taha (2005)  
Bacterial Meningitis in Burkina Faso: Surveillance Using Field-Based Polymerase Chain Reaction Testing  
*Clinical and Infectious Disease*: 40, 17-25.
14. Seydou Yaro, Berthe-Marie Njanpop-Lafourcade, Aly Drabo, Régina S. Idohou, Sita S. Kroman, Oumarou Sanou, Yves Traoré, Lassana Sangaré, Serge P. Diagbouga, Jean-Louis Koeck, Raymond Borrow, Bradford D. Gessner, and Judith E. Mueller (2014). Antipneumococcal Seroprevalence and Pneumococcal Carriage During a Meningococcal Epidemic in Burkina Faso, 2006. *JID* 2014:209 1241-1250

## HIV/AIDS

1. Uwe Cassens, Wolfgang Göhde, Gudrun Kuling, Arndt Gröning, Peter Schlenke, Leopold Gustave Lehman, **Yves Traoré**, Jean Servais, Yvette Henin, Doris Reichelt and Burkhard Greve (2004)  
Simplified volumetric flow cytometry allows feasible and accurate determination of CD4 T lymphocytes in immunodeficient patients worldwide  
*Antiviral Therapy*; 9:395-405.

2. Lagarde E, Congo Z, Meda N, Baya B, Yaro S, Sangli G, **Traore Y**, Van Renthergem H, Carael M. (2004) Dynamic Among Young Adults in Burkina Faso. *Epidemiology of HIV infection in urban Burkina Faso*.

*Int J STD AIDS*. Jun;15 (6):395-402.

3. W. Göhde, U. Cassens, L.G. Lehman, **Y. Traoré**, W. Göhde jun., P. Berkesa, C. Westerberg, B. Greve (2003)

Individual Patient-Dependent Influence of Erythrocyte Lysing Procedures on Flow-Cytometric Analysis of Leukocyte Subpopulations

*Transfus Med Hemother*; 30:165–170.

4. Chevalier P., Diagbouga S., Traoré Y., Cassel-Beraud A.M., Van De Perre P. (2002)

Thymic size and muscle mass of HIV-infected asymptomatic children from Burkina Faso.

*J Acquir Immune Defic Syndr*. Apr 1;29(4):427-8.

5. Sourabie Y, Ouedraogo SM1, Bazie WW, Sanodji N, Barro M, Ouattara ABI, **Traoré Y**, Nacro B (2015). Impact of Art Mother and Child on the HIV Status of the Child Born to HIV Positive Mothers in Burkina Faso: Towards the Adoption of an Effective Pmtct Policy. *J Hematol Thrombo Dis*. 3:2, 1-5

6. Ouédraogo SM, Sourabié Y, Bazié WW, Sanodji N, Barro M, Ouattara ABI, **Traoré Y**, Nacro B, (2015). Contribution to the early diagnosis of HIV in children born to HIV-positive mothers in Bobo Dioulasso: Real-time PCR and quantitative p-24 assay. *African Journal of Internal Medicine* ISSN 2326-7283 Vol. 3 (9), pp. 190-195

7. Ouédraogo SM, Sourabié Y, Sanodji N, Sawadogo S, Barro M, Ouattara A.B.I, Traoré Y, Nacro B (2015). Determinants of non-immunological response with HIV infected patients on antiretroviral treatment in Centre Hospitalier Universitaire Souro SANOU, Bobo – Dioulasso (Burkina Faso). *African Journal of Internal Medicine* ISSN 2326-7283 Vol. 3 (10), pp. 238-241

## FOOD SCIENCE and MICROBIOLOGY

1. Cisse H., Savadogo A., Taale E., Tapsoba F., Guira F., Zongo C. and Traore Y. Influence des substrats carbonés et minéraux sur l'activité des substances BLIS (Bacteriocin-Like Inhibitory Substances) produites par des souches de Bacillus isolées à partir d'aliments fermentés au Burkina Faso. *Journal of Applied Biosciences*, 2016, 106, 10236 –10248. <http://www.ajol.info/index.php/jab>

2. Zio S., Savadogo A., Songre-Ouattara L.T., Tapsoba F., Bassole I. H. N., Zongo C., Nikiema F. and Traoré Y. Physicochemical quality of artisanal oils produced in Ouagadougou: case of four small companies of cottonseed oils and crude groundnut oils taken in the markets. *Journal of Advances in Biotechnology*, 2016, 6(2), 890-900. <https://cirworld.com/index.php/jbt/index>; Impact factor: 0,742.

3. Abakar I. L., Savadogo A, Tapsoba F., Guira F. and Traore Y. Identification and Biochemical Analysis of Microorganisms involved in the Fermentation of Kawal-A Traditional Fermented Sicklepod Leaves (*Senna obtusifolia*). *International Journal of Current Microbiology and Applied Sciences*, 2016, 5(9), 261-270. <http://www.ijcmas.com>; Impact factor: 2,937

- 4.** Guira F., Some K., Kabore D., Sawadogo-Lingani H., Traore Y. and Savadogo A. Origins, production, and utilization of cassava in Burkina Faso, a contribution of a neglected crop to household food security. *Food Science and Nutrition*, 2016, DOI: 10.1002/fsn3.408,1-9. <http://www.foodscience-nutrition.com>
- 5.** Mamadou SADJI, Ndèye Fatou NDIAYE, Djibril TRAORE, Cheikna ZONGO, Yves TROARE, Mohamadou Diop SALL et Alfred TRAORE. Effet de l'étuvage en présence du jus de pastèque (*Citrullus lanatus* thunb.) sur quelques paramètres nutritionnels du riz (*Oryza sativa*.) irrigué « Sahel 108 » de la vallée du fleuve Sénégal : Etude préliminaire. *Journal des Sciences*, Vol. 16, N° 1 (Janvier 2016) 12-23
- 6.** Mamadou SADJI, Ndèye Fatou NDIAYE, Cheikna ZONGO, Yves TROARE, Mohamadou Diop SALL, Alfred TRAORE. A complementary food formulation from local products and exclusive use of watermelon (*Citrullus lanatus* (Thunb.) juice for the cooking: Nutritional and health interest. *International Journal of Sciences*. Volume 5-April 2016 (04), pages 31-42. DOI: 10.18483/ijSci.996.
- 7.** Mamadou SADJI, Lat Souk TOUNKARA, Ndèye Fatou NDIAYE, Cheikna ZONGO, Yves TROARE, Mohamadou Diop SALL and Alfred TRAORE. Canning mushrooms with watermelon (*Citrullus lanatus* (Thunb.) juice: Nutritional and health interest. *International Journal of Sciences*. Volume 5-May 2016 (05), pages 69-74. DOI: 10.18483/ij.
- 8.** F. R. Koinam, F. Guira, N. S. Somda, A. Yaméogo, I. J. Bonkougou, Y. Traoré and A. Savadogo. Profile of Sensitivity and resistance to antibiotics of *Staphylococcus aureus* strains isolated from patients fluids In medical biology department of National Public Health Laboratory of Ouagadougou, Burkina Faso. *Journal of Fundamental and Applied Sciences*, 2017, 9(1), 553-566.
- 9.** Abel Tankoano, Hagrétou Sawadogo-Lingani, Aly Savadogo, Donatien Kabore! And Yves Traore. Study of the process and microbiological quality of Gappal, a fermented food from Burkina Faso based on milk and millet dough. *International Journal of Multidisciplinary and Current Research*, 2017, vol 5 , 104-110.
- 10.** L. Linefiene, A .Tankoano, H. Fissou Yandai, N. S. Somda , O. Oumar , Y .Traore , A. Savadogo,. Prevalence Et Sensibilité Aux Antibiotiques Des Souches D'*Escherichia Coli* Diarrhéiques Chez Les Enfants De Moins De Cinq Ans Au Tchad. *Rev. Microbiol. Ind. San et Environn.* 2017, Vol 11 , N°1, p :16-30.
- 11.** Somda Namwin Siourimè, Bonkougou Ouindgueta Juste Isidore, Traoré Oumar, Bassolé Ismael Henri Nestor, Traoré Yves, Barro Nicolas and Savadogo Aly. Serotyping and antimicrobial drug resistance of *Salmonella* isolated from lettuce and human diarrhea samples in Burkina Faso. *Afr., J. Infect. Dis.* (2017) 11 (2): 1-6.
- 12.** Sanou A., Tapsoba F., Zongo C., Savadogo A., Traore Y., (2017). Etude de la qualité nutritionnelle et microbiologique des farines infantiles de quatre unités de production: CMA saint Camille de Nanoro, CSPS Saint Louis de Temnaore, CM saint Camille de Ouagadougou et CHR de Koudougou. *Journal Revue Nature & Technologie*, 17:1-17

## MAIN COLLABORATIONS

INSERM U 399 Marseille - Faculty of Medecin of Timone.  
Measurement of IgG subclasses against B epitopes of various blood stages of Plasmodium falciparum. (january-april 1995)

Hôpital des Asturies – Oviedo, Espagne  
HLA and Spondylarthritis (april 1995)

Institut de Médecine Tropicale d'Anvers, Belgium  
Measurement of sporozoïtes in mosquitoes salivary glands by ELISA.  
(november 1995).

INSERM U 399 Marseille - Faculty of Medecine of Timone.  
Measurement of IgG subclasses against B epitopes of various blood stages of Plasmodium falciparum. (may-september 1996).

INSERM U399 Marseille- Faculty of Medcine of Timone  
Chromosomic localization of genetic factors controlling parasitemia in human by microstelites markers.  
( march-december 1997)

National Laboratory of Analytical Cytology Ottawa, Canada  
Enumeration of lymphocytes sub-populations by unique platform flow cytometry. (November 1997)

National Laboratory of Analytical Cytology Ottawa, Canada  
Enumeration of lymphocytes sub-populations: Calibration and quality control in Flow Cytometry  
(November 1998)

Duke University North Carolina, USA  
CTL anti-HIV activity by ELISPOT (April 2000)

Laboratoire d'Immunogénétique, Hôpital St Eloi, Montpellier, France  
HLA typing by PCR SSP. (May 2000)

Université de Münster, Département de Radiobiologie, Allemagne  
CD4-T cells enumeration by Volumetric Counting technology (June and August 2002)

Ouagadougou, 02/07/2019



Prof. Yves TRAORE