

BIOGRAPHY

29 June 2012



Title and name

Dr. Edith AUTHIE

Nationality

French

Panel

Animal Health and Welfare (AHAW)

Education

- HDR ("habilitation à diriger des recherches"), 2001, University of Bordeaux II, France
 - PhD, Biochemistry and cell biology, 1993, University of Bordeaux II, France
 - Diplomas, Bacteriology, Virology, Immunology, 1982-1985, Pasteur Institute
 - Doctorate, Veterinary medicine, 1980, Ecole vétérinaire d'Alfort
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Scientific and risk assessment experience

- Research experience on African trypanosomiasis : field research as well as lab-based research in biochemistry, molecular parasitology, parasite immunology, vaccinology.
 - Management of research on animal infectious and parasitic diseases in a public research institute
 - Former expert in a working group at Afssa (French agency for food safety) on the emergence of surra in camels in the South of France
 - Organization and coordination of risk assessment in the area of animal health & animal feed at the French Agency for Food, Environmental and Occupational Health & Safety (ANSES).
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Main scientific publications

Trypanosomes and trypanosomiasis: drug resistance, vector control, immunodiagnosics, genetic resistance to disease, pathophysiology, immune responses, antigens, vaccine development

1. Bossard G., Boulangé A., Hozmuller P., Thévenon S., Patrel D., Authié E. (2010) Serodiagnosis of bovine trypanosomiasis based on HSP70 / BiP inhibition ELISA. *Veterinary Parasitology* 173: 39-47.
 2. Lalmanach G., Boulangé A., Serveau C., Lecaille F., Scharfstein J., Gauthier F., Authié E. (2002) Congopain from *Trypanosoma congolense*: drug target and vaccine candidate. *Biological Chemistry* 383: 739-49.
 3. Authié E., Boulangé A., Muteti D., Lalmanach G., Gauthier F., Musoke A.J. (2001) Immunisation of cattle with cysteine proteinases of *Trypanosoma congolense*: targetting the disease rather than the parasite. *International Journal for Parasitology* 31: 1429-1433.
 4. Rowlands G.J., Coulibaly L., Hecker P.A., d'Ieteren G.D.M., Leak S.G.A., Authié E. (1996) Effect of tsetse control on trypanosome prevalence in livestock: problems of experimental design and statistical interpretation - a case study in northern Côte d'Ivoire. *Veterinary Parasitology* 63 (3-4): 199-214.
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5. Lutje V., Taylor K., Boulangé A., Authié E. (1995) Trypanosoma congolense: Tissue localisation of long term T-cell and B-cell responses in N'Dama cattle. Immunology Letters 48: 29-34.
 6. Authié E. (1994) Bovine trypanosomiasis and trypanotolerance: a role for "congopain"? Parasitology Today 10: 360-364.
 7. Authié E., Muteti D.K., Williams D.J.L. (1993) Antibody responses to non-variant antigens of Trypanosoma congolense in cattle of differing susceptibility to trypanosomiasis. Parasite Immunology 15: 101-111.
 8. Authié E., Muteti D.K., Mbawa Z., Lonsdale-Eccles J., Webster P., Wells C. (1992) Identification of a major antigen of Trypanosoma congolense as a cysteine protease. Molecular and Biochemical Parasitology 56: 103-116.
 9. Roelants G.E., Fumoux F., Pinder M., Queval R., Bassinga A., Authié E. (1987) Identification and selection of Taurine cattle naturally resistant to trypanosomiasis. Acta Tropica 44: 55-66.
 10. Pinder M., Authié E. (1984) The appearance of isometamidium resistant Trypanosoma congolense in West Africa. Acta Tropica 41: 247-252.
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