

Curriculum vitae

Loïc Rivière

1978/03/22, PhD

Associate Professor, Vice-Dean of the Faculty of Pharmacy, Bordeaux University

Project Leader in the iMET team (Dir F.Bringaud), in the UMR 5234 Fundamental Microbiology and Pathogenicity (FMP, Dir M.Kann), CNRS-Bordeaux University, Bordeaux

Research :

-2015-..... : Associate Professor, Project leader in the iMET team (Dir F.Bringaud)

-2010-2015 : Associate Professor, Virulence Factor and Pathogenicity Team (Dir T.Baltz), in the UMR 5234 Fundamental Microbiology and Pathogenicity, CNRS-Bordeaux University, Bordeaux

-2007-2010 : Post-doctoral Fellow (ANR fellow) : Pasteur Institute, Paris (*Plasmodium falciparum* Antigenic variation)

-2003-2006 : PhD thesis at Bordeaux University (Metabolism of African Trypanosomes)

Bibliography (Selected, h-Index : 13):

-Millerioux Y, Ebikeme C, Biran M, Morand P, Bouyssou G, Vincent IM, Mazet M, **Riviere L**, Franconi JM, Burchmore RJ, Moreau P, Barrett MP, Bringaud F. The threonine degradation pathway of the Trypanosoma brucei procyclic form: the main carbon source for lipid biosynthesis is under metabolic control. **Molecular Microbiology**. (2013) ;90(1):114-29

-A. Chêne, Shruthi S. Vembar, **L. Rivière**, JJ. Lopez-Rubio, A. Claes, TN. Siegel, H. Sakamoto, C. Scheidig-Benatar, R. Hernandez-Rivas, and A. Scherf. PfAlbas constitute a new eukaryotic DNA/RNA-binding protein family in malaria parasites. **Nucleic Acids Research** (2012)

-**L. Rivière**, P. Moreau, M. Hahn, M. Biran, N. Plazolles, JM Franconi, M. Boshart, F. Bringaud. Acetate produced in the mitochondrion is the essential precursor for lipid biosynthesis in Procyclic Trypanosomes. **Proceedings of the National Academy of Science of US** (2009), 106(31):12694-9.

-A. Scherf, **L. Rivière** & JJ. Lopez-Rubio. SnapShot: var gene expression in the malaria parasite. **Cell** (2008), 134(1):190.

-A. Scherf, JJ. Lopez-Rubio & **L. Rivière**. Antigenic variation in *Plasmodium falciparum*. **Annual Review of Microbiology**. (2008), 62 :445-70.

-JJ. Lopez-Rubio, **L. Rivière** & A. Scherf. Shared epigenetic mechanisms control virulence factors in protozoan parasites. **Current Opinion Microbiology** (2007), 10(6):560-8.

-F. Bringaud, **L. Rivière** & V. Coustou. Energy metabolism of trypanosomatids: adaptation to the available carbon sources. **Molecular and Biochemical Parasitology** (2006), 149(1): 1-9

-S. Besteiro, M.P Barrett, **L. Rivière** & F. Bringaud. Energy generation in insect stages of trypanosoma brucei-metabolism in flux. **Trends in parasitology** (2005), 21: 185-191.

-N. Lamour, **L. Rivière**, V. Coustou, G.H. Coombs, M.P. Barrett & F. Bringaud. Proline metabolism in Trypanosoma brucei is down regulated in the presence of glucose. **Journal of Biological Chemistry** (2005), 280: 11902-11910.

-**L. Rivière**, S.W.H Van Weelden, P. Glass, P. Vegh, V. Coustou, M. Biran, J.J. Van Hellemond, F. Bringaud, A.G.M. Tielens & M. Boshart. Acetate:Succinate CoA-Transferase in procyclic *Trypanosoma brucei*: gene identification and role in carbohydrate metabolism. **Journal of Biological Chemistry** (2004), 279: 45337-45346.

Scientific Expertise

-Authorization for experimentation on living animals

-Project evaluator (IRD PhD program)

Responsibilities

2016-.... : Member of the board of the laboratory (FMP, UMR 5234)

2015-.... : Vice-Dean of the Faculty of Pharmacy, Bordeaux.

2015-.... : Member of the Academic Council of Bordeaux University

2014-.... : Member of Health and Life Science College (Bordeaux)

2012-.... : Member of the Faculty of Pharmacia Council (Bordeaux)

Teaching (faculty of Pharmacy) :

-Zoology (lectures and practical courses : 80h)

-Parasitology (lectures and practical courses 90h)

-Venomous Animals (lectures and practical courses 20h)