Guillaume OCTOBRE

Birth date**:* 1st October 1978 ***Nationality: French

Professional address:

ICBMS (Institut de Chimie et Biochimie Moléculaires et Supramoléculaires)
1 rue Victor Grignard, 69100 Villeurbanne, France

Current position:

Maître de conférences/Associate Professor (Université Claude Bernard Lyon 1)

***Education*:**

- Ph. D. in molecular genetics, University of Bern (2006, Bern, Switzerland)

- DEA in Biological and Medical Engineering, Université Joseph Fourier (2002, Grenoble).

Research interests and skills:

Molecular and cellular engineering for biosensors and detection/diagnostics devices:

- Protein biochemistry: protein expression and purification, enzymatic engineering
- Molecular biology: molecular cloning, reporter genes systems, mutagenesis and directed evolution
- Cellular biology: cellular engineering, cell lines construction

***Scientific work*:** 8 publications and 9 communications in international conferences

Main publications:

1. Charles Guérin, Ludivine Jean-Gérard, Guillaume Octobre et al. «Bis-triazolyl BODIPYs: a simple dye with strong red-light emission» *RSC Adv.* 2015; 5:76342-76345
2. Ophélie I. Berthuy, Céline A. Mandon, Benjamin P. Corgier, Guillaume G. Octobre et al. «Material surface engineering for multiplex cell culture in microwell» *J Mater Sci* 2014; 49: 4481–4489
3. José Dias, Guillaume Octobre, Lydia Kobbi, Martine Comisso, Sebastian Flisiak, and Marc Mirande «Activation of Human Mitochondrial Lysyl-tRNA Synthetase upon Maturation of Its Premitochondrial Precursor» *Biochemistry* 2012; 51(4):909–916
4. Octobre G, Kobbi L, Dias J, Comisso M, Mirande M. «Association of mitochondrial lysyl-tRNA synthetase with HIV-1 GagPol involves catalytic domain of the synthetase and transframe and integrase domains of Pol» *J Mol Biol.* 2011 Jul 29; 410(5):875-86
5. Latypov V, Rothenberg M, Lorenz A, Octobre G, Csutak O, Lehmann E, Loidl J, Kohli J. « Hop1 and Mek1 Are Involved in Double-Strand Break Formation and Processing in Meiosis of Schizosaccharomyces pombe » *Mol Cell Biol.* 2010; 30(7):1570-81
6. Octobre G, Lorenz A, Loidl S, Kohli J. « The Rad52 Homologs Rad22 and Rti1 of Schizosaccharomyces pombe Are Not Essential for Meiotic Interhomolog Recombination, but Are Required for Meiotic Intrachromosomal Recombination and Mating-Type-Related DNA Repair » *Genetics.* 2008 Apr; 178(4):2399-412