Research interest

Keywords : Biochemistry, cellular and molecular biology, animal experiment.

- Analysis of molecules by HPLC-MS (Shimadzu).
- Production of *in vitro* bioassays (toxicity, calcium imaging).

Background

Engineer CNRS, Université de Bretagne Occidentale, Brest, France **since Jul 14**
UMR CNRS 6521
50% in the "Phosphorus and Lipids" Research group, (Pr. Jaffrès Paul-Alain)
50% in the "AzaMacrocycles and Coordination" Research group, (Pr. Tripier Raphaël)

Engineer CNRS, Biological station, Roscoff, France **Aug 01 - Jun 14**
"Protein Phosphorylation and Human Disease" Research group, USR CNRS 3151

Engineer, Plant Pathology Research group, **Apr 01 - Jul 01**
Bretagne Biotechnologie Végétale, Saint-Pol-de-Léon, France

Engineer assistant, Medical Biology Service, **Sep 99 - Jun 01**
Val-de-Grâce military hospital, Paris 5ème, France

Engineer assistant, Molecular & Development Biology, **Jan 99 - Jun 99**
CHU Pitié-Salpêtrière, Paris 13ème, URA CNRS 2115, France

Engineer assistant, Plant Pathology Research group, **Jul 98 - Dec 98**
Bretagne Biotechnologie Végétale, Saint-Pol-de-Léon, France

Engineer assistant, Pharmacology Research group, **Jan 98 - Jun 98**
CHU Morvan, Brest, France

Education

Master's degree in Biotechnology, Université d'Aix-Marseille III, France. **2001**

Others

- Correspondant security of the UMR CNRS 6521

Scientific production and Conferences

81 publications in peer review journals
1 patent
1 poster in an international congress: « Natural Products with Pharmaceutical, Nutraceutical, Cosmetic, and Agrochemical Interest », 3-8 August 2008, Athens, Greece

Selected publications

Bourahla, K., Guihéneuf, S., Limanton, E., Paquin, L., Le Guével, R., Charlier, T., Rahmouni, M., Durieu, E., Lozach, O., Carreaux, F., Meijer, L. and Bazureau, J.-P., 2021. Design and microwave synthesis of new (5Z) 5-arylidene-2-thioxo-1,3-thiazolinidin-4-one and (5Z) 2-amino-5-arylidene-1,3-thiazol-4(5H)-one as new inhibitors of protein kinase DYRK1A. Pharmaceuticals (Basel) 14, 737-751.

Delbeke, E. I. P., Everaert, J., Lozach, O., Berchel, M., Montier, T., Jaffrès, P.-A., Rigole, P., Coeneye, T., Brennich, M., Baccile, N., Roelants, S., Soetaert, W., Van Bogaert, I. and Van Geem and Stevens, C. V., 2019. Lipid-based quaternary ammonium sophorolipid amphiphiles with antimicrobial and transfection activities. Chem. Sus. Chem. 12, 3642-3653.

Bouraoui, A., Berchel, M., Ghanem, R., Vié, V., Paboeuf, G., Deschamps, L., Lozach, O., Le Gall, T., Montier, T. and Jaffrès, P.A., 2019. Substitution of unsaturated lipid chains by thioether-containing lipid chains in cationic amphiphiles : physicochemical consequences and application for gene delivery. Org. Biomol. Chem. 17, 3609-3616.

Mavrogeni, M. E., Pronios, F., Vasilakaki, S., Myrianthopoulos, V., Zareifi, D., Lozach, O., Alexopoulos, L., Meijer, L. and Mikros, E., 2018. A facile consensus ranking approach enhances virtual screening robustness and identifies a cell-active DYRK1α inhibitor. Future Medicinal Chemistry 10, 2411-2430.

Delbeke, E. I. P., Everaert, J., Lozach, O., Le Gall, T., Berchel, M., Montier, T., Jaffrès, P.-A., Rigole, P., Coenye, T., Brennich, M., Baccile, N., Roelants, S. L. K. W., Soetaert, W., Van Bogaert, I. N. A., Van Geem, K. M. and Stevens, C. V , 2018. Synthesis and Biological Evaluation of Bolaamphiphilic Sophorolipids. ACS Sustainable Chem. Eng. 17, 8992–9005.