http://www.icoa.fr/en/tatibouet

https://orcid.org/0000-0002-6142-6908
address :
ICOA (Institut de Chimie Organique et Analytique)
UMR CNRS 7311, Université d'Orléans
BP 6759 – F-45067 ORLEANS Cedex 2
Tel +33 (0)2 38 49 48 54
e-mail : arnaud.tatibouet@univ-orleans.fr
Birth 02-07-1968

Previous Positions :

09-2009 Full Professor, Université d'Orléans
12-2005 HDR, Associate Professor Université d'Orléans
09-1998 Lecturer Université d'Orléans
1997-1998 Lecturer University of Grenoble, LEDSS III, U.M.R. 5616 Dir. A. Greene,
1996-1997 Post-doctoral position Bath University, Molecular and Cell biology Laboratory, School of Biology and Biochemistry, Prof. G.D. Holman.

Education :

1993-1996 PhD in Chemistry Université Joseph Fourier (U.J.F.) of Grenoble (with honors from the jury), Dir. Dr M. Demeunynck, Prof. J. Lhomme
1990-1992 Msc of biochemistry and molecular chemistry (U.J.F.) Dir. Dr M. Demeunynck, Prof. J. Lhomme
1989-1990 Bsc in Biochemistry

Research topics :

* **Sulfur in Glycochemistry** Chemistry and natural compounds
* **Natural products** –secondary metabolites containing sulfur. Mainly glucosinolates: synthesis, biosynthesis and enzymatic degradation.
* **Bioconjugaison** and Labelling : Enzymatically induced bioconjugaison and labelling of peptide, protein, nano-particules
* **Heterocyclic chemistry** and **sulfur chemistry**: thiofunctionnalized small heterocycles and palladium cross coupling reactions.
* **Glycerol**, from monomers to polymers, valorization for fine chemistry and methodologies in glycochemistry: protecting groups (reverse ketals), C-3 synthons, enantiopurs glycerol oligomers.

Administration (Research & Teaching)

Current : Head of the GlycoBio&Chemistry Team ;
Head of the Master of Sciences : Molecular Chemistry (roughly 70-80 students)
Past : Deputy director of ICOA-UMR7311 2017-2019 ;
President of the French Association "Groupe Français des GlycoSciences" 2016-2018…

Current and Recent Programs of Research

Industrial Contracts : Extrasynthese, NucleoSyn;
Regional grants : 3 CosmetoSciences ARD2020
National Grant : ANR-LABEX SynOrg.

102 publications, 4 proceedings, 2 updates in e-Encyclopedia of Reagents for Organic Chemistry (*e*EROS)
Over the last five years : 9 invited conferences / 17 oral communications / 32 poster communications.
The Last 5 publications

Kanstrup, C.; Jimidar, C. C.; Tomas, J.; Cutolo, G.; Crocoll, C.; Schuler, M.; Klahn, P.; Tatibouët, A.; Nour-Eldin, H. H. Artificial Fluorescent Glucosinolates (F-GSLs) Are Transported by the Glucosinolate Transporters GTR1/2/3. *IJMS* **2023**, *24* (2), 920. https://doi.org/10.3390/ijms24020920.

Cutolo, G. et al. The Myrosinase-Glucosinolate System to Generate Neoglycoproteins: A Case Study Targeting Mannose Binding Lectins. *Carbohydrate Research* **2022**, *516*, 108562. https://doi.org/10.1016/j.carres.2022.108562.

Kederienė, V. et al. A. Mild Copper-Catalyzed, l-Proline-Promoted Cross-Coupling of Methyl 3-Amino-1-Benzothiophene-2-Carboxylate. *Molecules* **2021**, *26* (22), 6822. https://doi.org/10.3390/molecules26226822.

Melo de Oliveira, V. N. et al. Synthesis of Alkynylated 1,2,4-Oxadiazole/1,2,3-1H-Triazole Glycoconjugates: Discovering New Compounds for Use in Chemotherapy against Lung Carcinoma and Mycobacterium Tuberculosis. *European Journal of Medicinal Chemistry* **2021**, *220*, 113472. https://doi.org/10.1016/j.ejmech.2021.113472.

Taing, G. et al. Solvent-Free Glycidyl Carbamate Oligomerization and Solvent Affinity of Oligomers. *Macromolecules* **2021**, *54* (4), 1702–1714. https://doi.org/10.1021/acs.macromol.0c02218.

Book Chapter

Schuler, M. ; Tatibouët, A. **Strategies towards protection of 1,2- and 1,3-diols in carbohydrate chemistry** *Protecting Groups. Strategies and Applications in Carbohydrate Chemistry. Ed. Wiley-VCH, Weinheim* 2019,