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| NAMEDubost, Emmanuelle | POSITION TITLEAssistant professor in organic chemistry |

| INSTITUTION AND LOCATION | DEGREE(if applicable) | Completion DateMM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
| University of Caen (Caen, France) | PhD | 2010 | Chemistry and molecular modelling |
| Service de Chimie Bioorganique et de Marquage (CEA Saclay, France) | Postdoctoral | 2012 | Organic and supramolecular chemistry |
| Chemistry Research Laboratory (Oxford, U.K.) | Postdoctoral | 2014 | Radiolabelling/ organic chemistry |
| Caen Normandy University (France) | HDR | 2023 | Organic and medicinal chemistry |

1. **Positions and Honors**

**2021-x** Assistant professor in organic chemistry applied in pharmacy and imaging, Centre d’Etudes et de Recherche sur le Médicament de Normandie (CERMN, UNICAEN UR 4258)

1. **Most Important Recent Publications - Publications: H-index: 12**

Bloux, H.; Khouya, A. A.; Sopkova-de Oliveira Santos, J.; Fabis, F.; **Dubost, E.**; Cailly, T. Gold(I)-Mediated Radioiododecarboxylation of Arenes. *Org. Lett.* **2023**, No. I. https://doi.org/10.1021/acs.orglett.3c03191. **(IF:5.2)**

Vigier, C.§ ; Fayolle, D. § ; El Siblani, H.; Sopkova - de Oliveira Santos, J. ; Fabis, F. ; Cailly, T. ;\* **Dubost, E.\*** Synthesis and physico-chemical properties of cryptophazane, a soluble and functionalizable C1-symmetrical cryptophane. *Angew. Chem. Int. Ed.* **2022**. DOI: 10.1002/anie.202208580 **(IF: 16.823)**

Mangeant, R.; **Dubost, E.**; Cailly, T.; Collot, V. Radiotracers for the Central Serotoninergic System. *Pharmaceuticals*, **2022**, DOI: 10.3390/ph15050571. **(IF: 5.863)**

Vigier, C. ; Fossé, P. ; Fabis, F. ; Cailly, T. ;\* **Dubost, E.\*** Controlled access to *C1*-symmetrical cyclotriveratrylenes (CTV) by using a sequential Barluenga Boronic Coupling (BBC) approach. *Adv. Synth. Catal.* **2021**,363(15), 3756–3761. **(IF : 5.837)**

**Dubost, E**.; McErlain, H.; Babin, V.; Sutherland, A.; Cailly, T. Recent Advances in Synthetic Methods for Radioiodination. *J. Org. Chem.* **2020**, *85* (13), 8300–8310. **(IF :4.335)** (ACS Editor choice)

**Publications related to the proposed network program**

Vigier, C.§ ; Fayolle, D. § ; El Siblani, H.; Sopkova - de Oliveira Santos, J. ; Fabis, F. ; Cailly, T. ;\* **Dubost, E.\*** Synthesis and physico-chemical properties of cryptophazane, a soluble and functionalizable C1-symmetrical cryptophane. *Angew. Chem. Int. Ed.* **2022**. DOI: 10.1002/anie.202208580 **(IF: 16.823)**

Vigier, C. ; Fossé, P. ; Fabis, F. ; Cailly, T. ;\* **Dubost, E.\*** Controlled access to C1-symmetrical cyclotriveratrylenes (CTV) by using a sequential Barluenga Boronic Coupling (BBC) approach. *Adv. Synth. Catal.* **2021**, 363(15), 3756–3761. **(IF : 5.837)**

Kotera, N.; **Dubost, E.**; Milanole, G.; Doris, E.; Gravel, E.; Arhel, N.; Brotin, T.; Dutasta, J.-P.; Cochrane, J.; Mari, E.; Boutin, C.; Leonce, E.; Berthault, P .; Rousseau, B. A doubly smart probe for the detection of Cys4-tagged proteins. *Chem. Commun.* **2015**, 51, 11482-11484. **(IF:6.29)**

**Dubost, E.**; Dognon, J.-P.; Rousseau, B.; Milanole, G.; Dugave, C.; Boulard, Y.; Léonce, E.; Boutin, C.; Berthault, P. Understanding a Host–Guest Model System through 129Xe NMR Spectroscopic Experiments and Theoretical Studies. *Angew. Chem. Int. Ed.* **2014**, 53, 9837–9840. **(IF:12.102)**

Tassali, N.; Kotera, N.; Boutin, C.; Léonce, E.; Boulard, Y.; Rousseau, B.; **Dubost, E.**; Taran, F.; Brotin, B.; Dutasta, J.-P.; Berthault, P. Smart Detection of Toxic Metal Ions, Pb2+ and Cd2+, using a 129Xe NMR-based Sensor. *Anal. Chem.* **2014**,86, 1783-1788. **(IF:6.042)**

**Dubost, E.**; Kotera, N. ; Garcia-Argote, S. ; Boulard, Y. ; Léonce, E.; Boutin, C.; Berthault, P.; Dugave, C.; Rousseau, B. Synthesis of a functionalizable water-soluble cryptophane-111. *Org. Lett.* **2013**, 15, 2866–2868. **(IF:6.492)**

1. **Current grant support** - **2024-2026** ANR-JC Néo-Crypto, PI, 227 kE - **2024-2026** Normandie Valorisation financial support, PI, 288 kE
2. **Previous experience in collaborative research - 2010-24:** **2020-2023** RIN Excellence chair, from Normandy regional council, PI, 300 kE; **2019** RIN Emergence, PI, 110kE