



Secteur des Sciences
et Technologies

Invitation à la soutenance publique de thèse de
Monsieur Jean-Boris NSHIMYUMUREMYI
Master en sciences chimiques

Pour l'obtention du grade de Docteur en sciences

« Methodologies Towards the Total Synthesis of Polycavernoside A »

qui se déroulera
le jeudi 06 juin 2019 à 16h
Auditoire LAVO 51
Place Louis Pasteur, 1
1348 Louvain-la-Neuve



 **UCLouvain**

Polycavernoside A is a secondary metabolite first isolated from the red algae *Polycavernosa tsudai* in 1991. This macrocyclic lactone was found to be responsible for severe food intoxication, often leading to death. However, due to its scarcity, its biological properties are yet poorly understood. Our group has been interested in the total synthesis of this natural compound for a few years, leading to the development of several methodologies. Our approach towards this interesting target involves a 4 fragment disconnection. Therefore, short and efficient synthetic pathways to these key sub-units have been developed and coupling reactions based on Horner-Wadsworth-Emmons olefination are investigated to access our target in a straightforward manner

Membres du jury :

Prof. Michael Singleton (UCLouvain), promoteur
Prof. Sophie Hermans (UCLouvain), co-promoteur
Prof. Alexandre Drouin (Bishop's University, Canada), co-promoteur
Prof. Yann Garcia (UCLouvain), président
Prof. Raphaël Robiette (UCLouvain), secrétaire
Prof. Johan Winne (Universiteit Gent, Belgique)
Prof. Louis Barriault (University of Ottawa, Canada)