



NCCR CHEMICAL
BIOLOGY

NCCR LECTURE SERIES

Invited speaker

KIMBERLY BONGER

Doctor, Principal Investigator
Department of Biomolecular Chemistry, Radboud University (NL)



Bringing orthogonality in the tetrazine ligation with (strained) alkenes

May 27th 2019

16:15

UNIGE - Room A100

About the talk

The Bonger lab is interested in developing novel bioorthogonal chemistry and apply this in the targeting of specific cell types. In their research, they observed exceptional high reaction rates in an iEDDA reaction between non-strained vinylboronic acids (VBAs) and tetrazines containing Lewis basic substituents, suggesting that coordination between the reactants promotes the tetrazine ligation. In her talk, Kimberly Bonger will present the scope and molecular origins of the observed VBA reactivity and the VBA toolbox as chemically-triggered cleavable linkers for targeted drug delivery.

