



**Professor André Isaacs**  
**College of the Holy Cross**

Friday, November 3, 2023

10:00—11:30AM—Panel Session w/ Students  
CCB 1209

2:00—3:30PM—Speaker Seminar Presentations  
CCB 1303

**Host:** Professor Kate Waldie

### ***“A Click Chemistry Approach to Nitrogen Heterocycles”***

My research interest is centered on a very reliable organic reaction - the copper-catalyzed cycloaddition of sulfonyl azides and terminal alkynes (CuAAC). Differential fragmentation of the resulting 1,2,3-triazole generates ketenimines or rhodium carbenoids which readily engage with a variety of nucleophiles to provide access to heterocycles of interest to the synthetic community. We've demonstrated the utility of click chemistry in the synthesis of N-Heterocycles such as indolizines, dihydroisoquinolines and as an approach to beta-lactams.

***~Coffee/tea will be served prior to the lecture~***