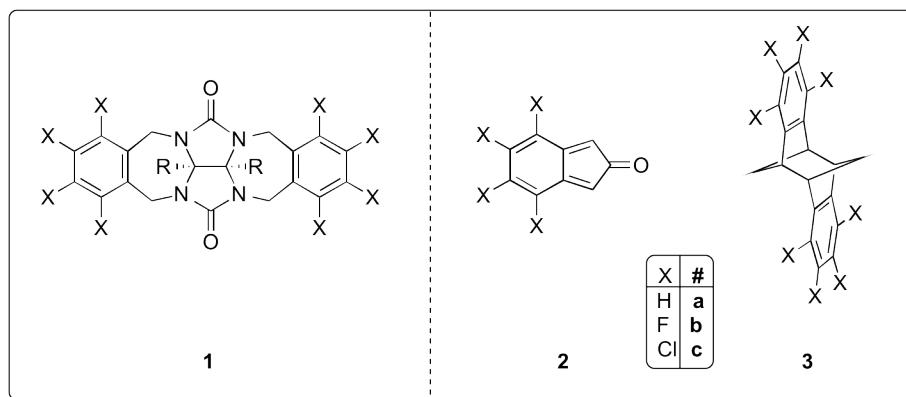


A novel isoindene dimer and its fluorinated analogs

(Markus Etzkorn, UNC Charlotte)

As the Etzkorn group has been investigating fluorinated scaffolds as molecular tweezers or building blocks for self-assembly (**1**), the generation and synthetic application of cross-conjugated isoindenones (**2**) has been leading to the synthesis of a novel isoindene dimer (**3**). The seminar will discuss the effect of fluorine on the syntheses, structures and reactivity of selected frameworks.



A brief introduction will place current isoindenone work into the larger research context of the group, and provide an example for the subtle effect small chemical changes on the solid state structures of molecular tweezers of type **1**.

Our efforts to generate and exploit the reactivity of a fleeting intermediate (**2**, X = H) demonstrate the value of tenacity in (organic) chemistry. Furthermore, the discussion will elaborate on the value of an academically interesting target (**3**).