The lack of scalable and sustainable methods to prepare conjugated polymers belies their importance in many enabling technologies such as photovoltaics, light emitting diodes and field-effect transistors. Accessing high-performance poly(hetero)arene conjugated polymers via dehydration has remained an unsolved problem in synthetic chemistry and has historically required transitional-metal coupling reactions. This talk will discuss our recent efforts developing a dehydration method that allows access to conjugated small molecules and polymers. The resulting materials will also be discussed in the context of the interesting optoelectronic properties they exhibit due to non-covalent interactions along the conjugated backbone.

**Keywords:** Poly(hetero)arene, Conjugated Polymers, Dehydration Polymerization

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