## **Solid-Supported Cyclotrimerization Reactions**

Alexander Deiters

North Carolina State University, Department of Chemistry, Raleigh, NC 27695

The following key discoveries have been made, which set the stage for further developments towards unifying reaction conditions for [2+2+2] cyclotrimerization chemistry and its application in target directed synthesis and library synthesis:

- > Chemoselectivity issues have been solved through the application of a solid-support.
- > Reactivity issues have been solved through the application of microwave irradiation.
- > Regioselectivity issues were addressed through regio-directing groups.

