

3rd International Conference on PAST AND PRESENT RESEARCH SYSTEMS OF GREEN CHEMISTRY

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Andrew C Flick

Pfizer Global Research and Development, USA

Workshop on Green Chemistry

In the past decade, many organizations and institutions worldwide have recognized the importance of green-chemistry practices for a wide variety of applications. This shift is being driven by the realization that processes that is cost-effective, environmentally superior and delivers a competitive advantage. However, success depends on developing a culture of sustainability within an organization regardless of sector (e.g., academic, governmental or industrial). Staff at all levels from management to lab scientists need to understand the concepts of green chemistry and how they might be embraced to everyone's benefit. The focus of the workshop will involve the Seven Guidelines to Green Sustainability at the Organizational Level as outlined nicely by Tucker and Faul, empowering champions, raising awareness, expand collaborations, define metrics, recognize achievements, invest in technology and promote outreach. The purpose of the workshop is to identify specific actions and/or initiatives that can help embed Green principles within an organization and the output will be for the groups to share their proposals, actions or initiatives that have been proposed or successfully enabled already within their organizations that either can or have furthered attention to GC within their organizations.

Biography

Andy was born and raised in St. Louis, MO. After earning a BA in Chemistry from Lake Forest College in 2000, he joined Abbott Laboratories' Diagnostics Group in Abbott Park, Illinois. He then moved to Array BioPharma in Longmont, CO in 2001 as a Research Associate in their Process Chemistry Group. In 2003, he joined Professor Albert Padwa's laboratory at Emory University in Atlanta, Georgia where he successfully demonstrated a Michael addition-Nitrone dipolar cycloaddition approach for the total synthesis of the marine natural alkaloid cylindricine C. Upon obtaining his PhD in 2008, he joined the Worldwide Medicinal Chemistry group at Pfizer in Groton, CT. He has been involved with numerous small molecule discovery projects within the Neurosciences, Rare Diseases, and Inflammation & Immunology therapeutic areas. Andy has authored over 30 peer-reviewed publications and patents, including contributions to an annual review on synthetic approaches to newly approved drugs. His hobby interests include cooking, ice hockey, poker, and boating.

Andrew.Flick@pfizer.com