

2014-2015 POCC Lecture Series

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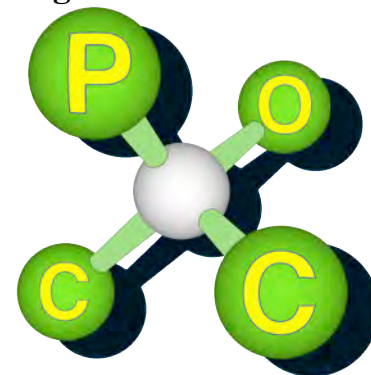
Prof. Gong Chen

Pennsylvania State University

Palladium-Catalyzed C-H Functionalization of Alkyl Amines and Carboxylic Acids

Carolyn Hoff Lynch Lecture Hall
Chemistry Building, University of Pennsylvania

The Philadelphia
Organic Chemist's Club



POCClub.org

Dr. Gong Chen is currently an associate professor of chemistry in the department of chemistry of. His research is focused on the synthetic and biological studies of complex carbohydrates and peptides, and the development of new synthetic methods for synthesis of complex natural products. Dr. Chen obtained his BS degree from Nanjing University in China. He got his Ph.D. degree in Organic Chemistry at Columbia University with Prof. Dalibor Sames. After his postdoctoral training at Memorial Sloan-Kettering Cancer Center with Prof. Samuel Danishefsky, he started his independent academic career at Penn State in 2008 and was promoted to associate professor in 2014.

Abstract: Dr. Chen will present the latest progress in developing new synthetic methodologies based on palladium-catalyzed functionalization of carbon-hydrogen (C-H) bonds from his laboratory. His lab is interested in addressing some challenging issues in the C-H functionalization field: the functionalization of unactivated sp^3 hybridized C-H bonds, the development of synthetically useful C-H functionalization protocols, and the application of these methods to difficult synthesis problems. Specifically, his talk will be focused on the development and synthetic application of a series of palladium-catalyzed carboxamide-directed functionalization of C-H bonds at remote positions of alkyl amines and carboxylic acids.