

第14回触媒化学融合研究センター講演会

産総研触媒化学融合研究センターでは、様々な分野で活躍している大学、公的研究機関、企業等の方々をお招きして、講演会を開催することで分野の垣根を越えた連携の実現を目指しています。多くの方々のご参加をお待ちしております。

<講演題目>

PALLADIUM CATALYZED THREEFOLD COUPLING
REACTIVITY OF TRIARYLBISMUTH REAGENTS

<講師> Prof. Maddali L. N. Rao
(Indian Institute of Technology Kanpur)



日時: 2014年 10月 2日(木) 10:30~12:00

場所: 産総研第5事業所第2本館第4会議室(5-2-6603室)
(茨城県つくば市東1-1-1)

<講演概要>

A new series of Pd-catalyzed cross-coupling reactions have been developed using triarylbismuths as threefold arylating agents for various C-C bond formations in organic synthesis. Utilization of triarylbismuths as organometallic nucleophiles in coupling reactions has many advantages as these reagents can be used in substoichiometric amounts in couplings with various organic electrophiles. These compounds have been explored and successfully applied in various cross-coupling reactions demonstrating high reactivity under palladium catalyzed conditions with yields. Our decade long journey in this area opened up plethora opportunities with triarylbismuths as threefold coupling partners. These efforts will be discussed in detail during the presentation.

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