

***C – C bond forming addition reactions
by Nickel/Lewis acid catalysis***

Prof. Dr. Yoshiaki Nakao

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Yoshiaki Nakao was born in Matsumoto in 1976. He was educated in Chemistry at Kyoto University (Ph. D. with Profs. Tamejiro Hiyama and Eiji Shirakawa), Yale University (visiting student with Prof. John F. Hartwig), and the Max-Planck-Institut für Kohlenforschung (visiting scholar with Prof. Manfred T. Reetz). From 2002-10, he was an Assistant Professor at Kyoto University, where he now is a Senior Lecturer. He is interested in developing new C–C bond forming reactions through activation of unreactive bonds, that could innovate organic synthesis. The current projects of his group involve new C–C bond forming addition reactions through activation of stable C–H and C–C bonds by cooperative metal catalysis and design of new organosilicon reagents useful for organic synthesis with facile activation of C–Si bonds.

Research Interest:

New Organometallic Reagents and Reactions for Selective Organic Synthesis: C-H Activation, C-C and C-Si Bond Formation and related.

Recent Awards:

2009 Mitsui Chemicals Catalysis Science Award of Encouragement
2010 Merck-Banyu Lectureship Award
2011 The Chemical Society of Japan Award for Young Chemists