**Suzuki–Miyaura Coupling through C–CN Bond Cleavage**

**Significance:** A Ni-catalyzed Suzuki–Miyaura coupling is reported proceeding through C–CN bond cleavage. Variously functionalized aryl nitriles could be efficiently arylated.

**Comment:** The reaction tolerates ester and amide functionalities. It was used in the sequential arylation of 3-chloro-5-methoxybenzonitrile leading to unsymmetrically substituted triarylated benzene.

**Selected examples:**
- **FG-CN**
  - **65% yield**
- **57% yield**
- **55% yield**

**Orthogonal Suzuki-coupling:**
1) \((\text{HO})_2\text{B-n-Bu}\) 
\(\text{Pd}_2(\text{dba})_3\) (1.5 mol%), \(\text{t-Bu}_3\text{P}\) (3.6 mol%)  
\(\text{Cs}_2\text{CO}_3\), dioxane, 80 °C, 86% yield

2) \(\text{NiCl}_2(\text{PCy}_3)_2\) (10 mol%), \(\text{Cy}_3\text{P}\) (20 mol%)  
\(\text{KOt-Bu}, \text{CuF}_2\), dioxane, 120 °C, 61% yield

3) \(\text{BrMg-n-Bu}\) 
\(\text{NiCl}_2(\text{PCy}_3)_2\) (10 mol%), \(\text{PCy}_3\) (20 mol%)  
toluene–n-BuO (1:1), 100 °C, 68% yield

**36% overall yield**