## Palladium-Catalyzed Carbofluoroalkylation

Pd-Catalyzed Stereoselective Carboperfluoroalkylation of Alkynes

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## Selected examples:

$$F_3C \longrightarrow OMe \longrightarrow F$$

$$75\% \text{ yield} \qquad 79\% \text{ yield} \qquad 78\% \text{ yield}$$

$$t\text{-Bu} \longrightarrow C_4F_9$$

$$F \longrightarrow C_4F_9$$

**Significance:** The authors describe a palladium-catalyzed three-component reaction involving terminal alkynes, boronic acids, and perfluoroalkyl iodides, leading to the desired products in a highly regio- and stereocontrolled manner.

**Comment:** From a mechanistic point of view, the simultaneous addition of both aryl and  $C_nF_m$  groups across the triple bond in a radical-mediated process is proposed.