**Cu-Catalyzed Regioselective Chlorination of Peptides**

**Significance:** The late-stage diversification of structurally complex peptides bears enormous potential for drug discovery and construction of bioactive products. The authors have demonstrated a chlorination of peptides via selective hydrogen transfer of N-chloropeptides.

**Comment:** The selective chlorination was performed for various dipeptides by the help of copper catalysis with high regioselectivity. Furthermore, the reaction could be applied for the introduction of three chlorine atoms by repetition of the standard reaction.