

C-H and C-O Functionalization via Radical Chaperones

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Our research is focused on harnessing the untapped reactivity of abundant chemical feedstocks to enable late-stage functionalization of medically relevant molecules. We have recently developed new approaches for selective C-H and C-O functionalization of alcohols, amines, and carbonyls, using a combination of radical ($1e^-$) and closed shell ($2e^-$) processes that act in concert with one another. These radical chaperone strategies have enabled discovery of new classes of reactivity to streamline the synthesis of complex molecules with biological and industrial significance.

Students, meet the speaker after the seminar in
a student/postdoc session from 5:45-6:15 pm

Date: Wed, Oct. 21, 2020

Time: 4:30-5:30 pm

Location: Virtual Seminar (Zoom)