The domino process is a combination of two or more bond-forming reactions under identical conditions wherein the subsequent reactions result as a consequence of the functionality formed in the previous step.\[1\] It is a combination of a series of elementary reactions. Therefore by carefully considering the chemical reactivity of individual functional groups as well as the intermediate functions, one might be able to design substrates that were instructed to undergo the domino reaction. However, regardless of the soundness of your working hypothesis, unexpected results are always around. We'll discuss in this presentation our recent work on the heteronucleopalladation-initiated domino process and the interplay between rational design and serendipity.\[2\]