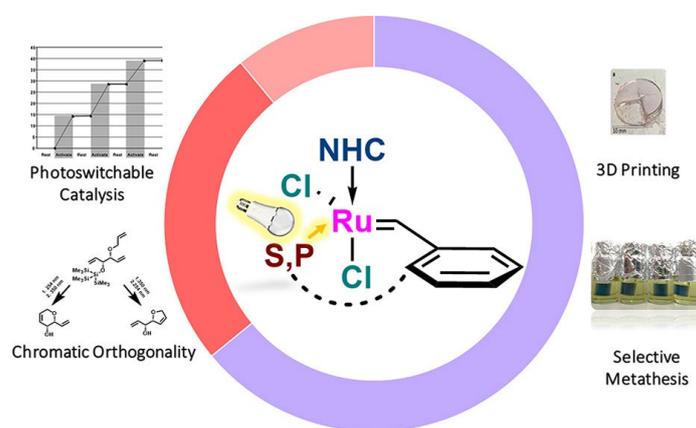


“How latent catalysis (and a few other ideas) helps us make great discoveries”

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Over the past decades, catalysis science has focused on designing the perfect catalyst – *id est*, one that efficiently lowers activation energy and makes the desired reactions much faster. The research in our group challenges this paradigm by exploring the untapped potential of "latent" or "dormant" catalysts. These “slow” or sleeping molecules of the catalytic world are opening doors to exciting possibilities. In my talk, I'll unveil our breakthrough work with latent ruthenium olefin metathesis precatalysts and show how these unusual compounds have empowered us to engineer entirely new classes of polymers and even allowed us to make molecules that were previously impossible (or extremely difficult) to synthesize by conventional catalytic processes. Towards the end of my talk, I will surprise you with a “revolutionary” discovery that came about by working with latent catalysts.



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