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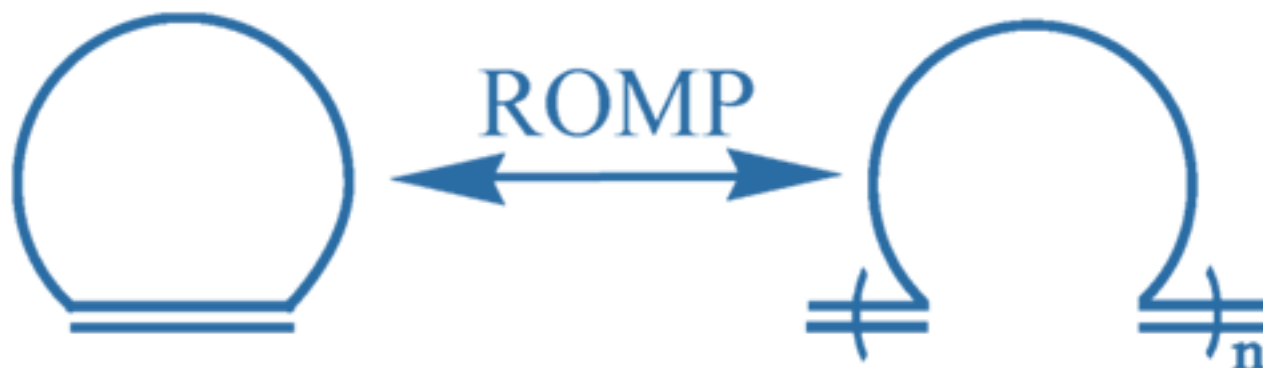
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CHEMISTRY SEMINAR

# William Wolf, Ph.D.

California Institute of Technology

## Studies on the Mechanism of Olefin Metathesis Polymerization



Aliso Hall  
Room 150

1PM, Friday  
September 21,  
2018

Free & open  
to the public

ABSTRACT: Olefin metathesis polymerization is a powerful tool for the construction of new materials. In particular, the incorporation of new type of bottlebrush polymers into durable materials may be an attractive option towards making synthetic cartilage. The mechanism of ring-opening metathesis polymerization (ROMP) has been studied in detail to improve the synthesis of polymeric initiators for a "grafting-from" approach towards these hydrophilic bottlebrush polymers.

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