

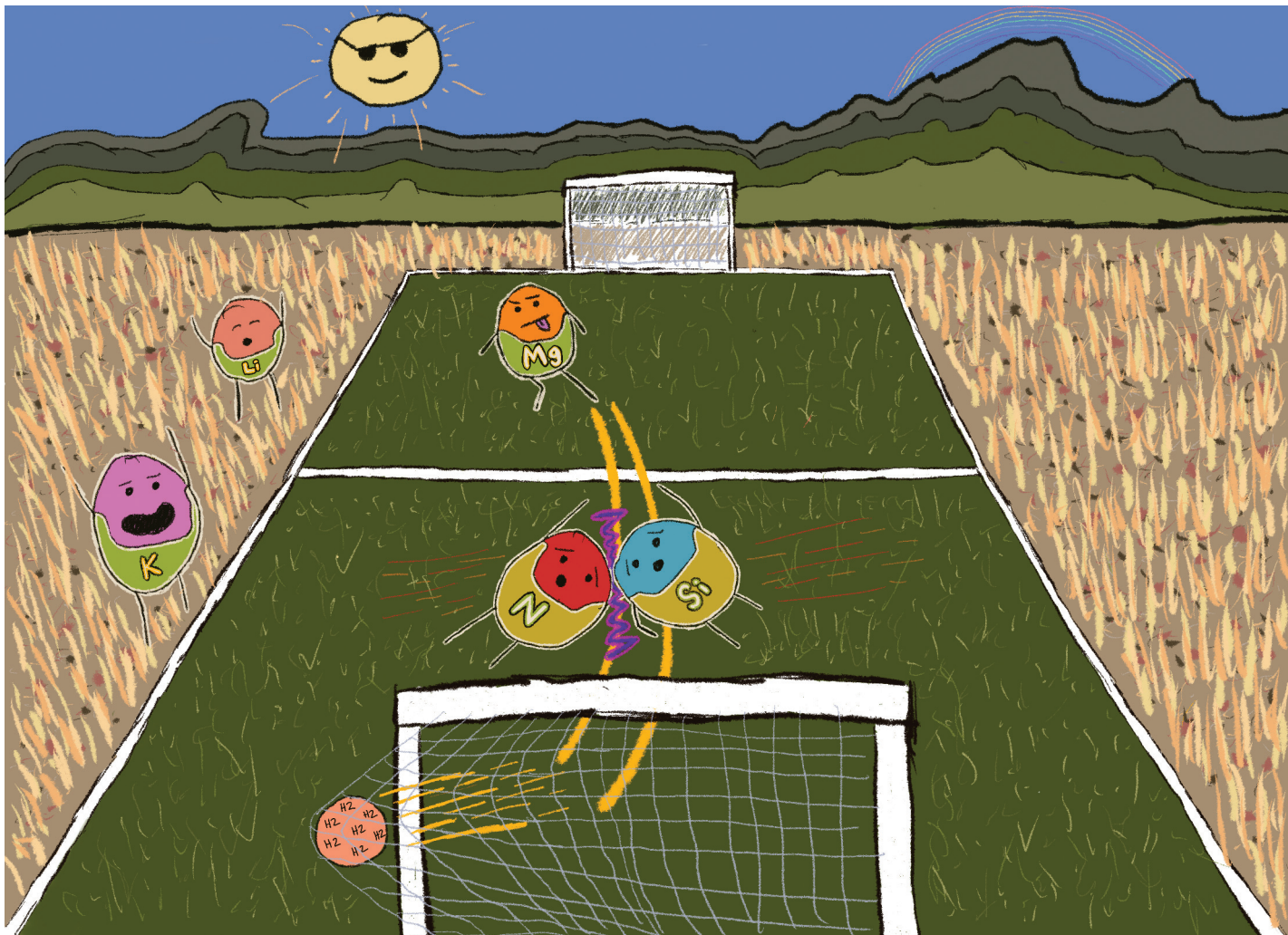
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Showcasing research from Professor Rory Waterman's laboratory, Department of Chemistry, University of Vermont, USA.

Grignard reagents as simple precatalysts for the dehydrocoupling of amines and silanes

Magnesium scores! Simple Grignard compounds are as effective as more complex magnesium pre-catalysts for the dehydrocoupling of amines and silanes. The Grignard reagents are less reactive than other precatalysts, including other simply and commercially available pre-catalysts like BuLi and KO^tAmyl, but the Grignard does provide greater selectivity in these reactions under similar conditions. This represents an effective and complementary catalyst in the family of readily available reagents for cross-dehydrocoupling for N-Si bond formation.

As featured in:



See Rory Waterman *et al.*, *Dalton Trans.*, 2024, 53, 16843.