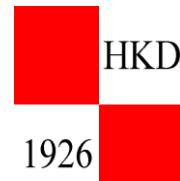




Institut Ruđer Bošković

**CXIII. Kolokvij Zavoda za organsku kemiju i biokemiju i
Sekcije za organsku kemiju Hrvatskog kemijskog društva**



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ponedjeljak, 23. 03. 2015.
predavaonica III. krila IRB
15:00-16:00 sati

Reagent, catalyst and reaction development: From titanium to gold, via organocatalysis

Applications of the *Kulinkovich-Sato* chemistry to regioselective cross-coupling of allylic alcohols and alkynes was demonstrated.¹ Recently, a peptide catalyzed oxidation of 2,3-disubstituted indoles to 3-hydroxy-indolenines has been reported.² A surge of interest in catalysis using gold-carbene complexes is contrasted by the relative paucity of methods for the synthesis of such gold-carbenes. We reported a novel reaction in the preparative chemistry of gold that processes stable, acyclic, metal-free precursors and delivers aminocarbene-gold complexes in high yields under exceedingly mild conditions.³

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3. Kolundžić, F.; Murali, A.; Pérez-Galán, P.; Bauer, J. O.; Strohmann, C.; Kumar, K.; Waldmann, H. *Angew. Chem. Int. Ed.* **2014**, 53, 8122.