



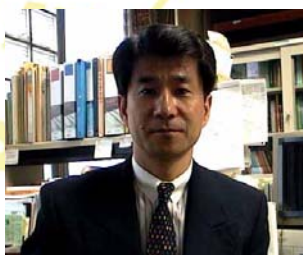
Univerzita Karlova v Praze, Přírodovědecká fakulta

Sekce chemie PřF UK v Praze
zve všechny zájemce na přednášku z cyklu

Quo Vadis Chemie

New Frontier in Fluorine Chemistry

kterou přednese



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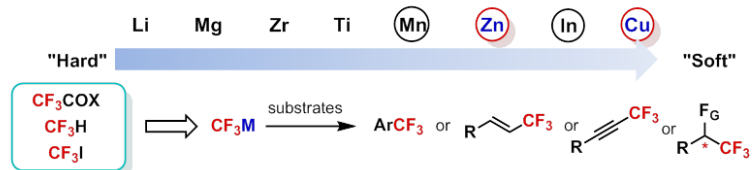
dne 6.10. v 15:00 hod.
v posluchárně CH2, v budově chemických kateder PřF UK
Hlavova 8, Praha 2

Abstrakt: Fluoromethyl compounds have attracted increasing interest in pharmaceutical and material science due to their potential biological activities and physical properties. However,

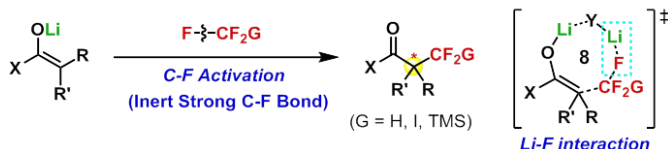
I Development of Catalytic Asymmetric C-C Bond Forming (CCF) Reactions



II Development of Novel Metal CF₃ Reagents for Practical Uses



III Development of Direct Difluoromethylations via C-F Bond Activation



widely employed lithium and magnesium Grignard technologies cannot be applied to fluoromethyl syntheses, because these fluoroorganometallic reagents are unstable even at low temperature via α -metal fluoride elimination. Reported herein are; Catalytic asymmetric CCF; Novel fluoromethyl reagents for practical use; C-F Bond activation in fluoromethyl syntheses.