Design and Utility of Nucleophilic Carbenes for Asymmetric Umpolung

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Bowman-Oddy 1059
Tomislav Rovis received his Ph.D. degree in Organic Chemistry from the University of Toronto in 1998 under the direction of Prof. Mark Lautens followed by postdoctoral studies under the tutelage of Prof. David A. Evans at Harvard University. He began his academic career at Colorado State University in 2000. He has garnered numerous awards for his research including the Merck Research Laboratories Unrestricted Grant, Glaxo SmithKline Scholar Award, Eli Lilly Grant, Johnson & Johnson Focused Giving Grant, Amgen Young Investigator Award, Boehringer-Ingelheim Research Award and the NSF CAREER Award. In 2005 he became an Alfred P. Sloan Fellow and was promoted as the Monfort Professor of Chemistry. In 2008 he was bestowed with the John K. Stille Chair in Chemistry at Colorado State University. He continued to receive numerous grants and awards including the Herman Frasch Foundation Grant, Roche Excellence in Chemistry Award, and most recently, 2014 Arthur C. Cope Scholar Award. In 2013, he became a Fellow of the American Association for the Advancement of Science. To his credit, there are over 200 publications including articles, patents, edited books, book reviews and encyclopedia contributions.

His research interests include asymmetric catalysis, organometallic chemistry, reaction development and synthesis of biologically important molecules. His work extends into many areas of science particularly in the pharmaceutical arena.

Selected Recent Scientific Contributions

Books


**Articles**


“A Coupling of Benzamides and Donor/Acceptor Diazo Compounds To Form γ-Lactams via Rh(III)-Catalyzed C-H Activation” Hyster, T. K.; Ruhl, K. E.; Rovis, T. *Journal of the American Chemical Society* **2013**, *135*, 5364-5367.


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