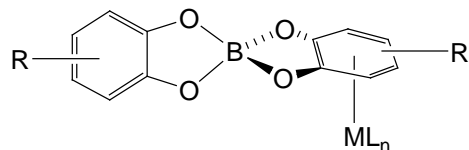


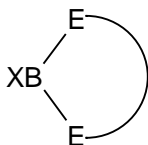
# Wildtoad Research

## A.1 Development of Novel Catalysts



*Publication:* 'Bulky rhodium diimine complexes for the catalyzed borylation of vinylarenes' Geier, S. J.; Chapman, E. E.; McIsaac, D. I.; Vogels, C. M.; Decken, A.; Westcott, S. A.\* *Inorg. Chem. Commun.* **2006**, 9, 788-791.

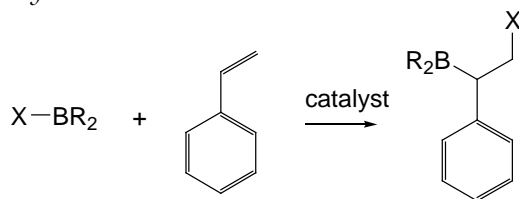
## A.2 Development of Novel Boranes



*Publication:* '4,4,5,5-Tetraphenyl-1,3,2-dioxaborolane: a bulky borane for the transition metal catalysed hydroboration of alkenes' Fritschi, C. B.; Wernitz, S. M.; Vogels, C. M.; Shaver, M. P.; Decken, A.; Bell, A.; Westcott, S. A.\* *Eur. J. Inorg. Chem.* **2007**, accepted.

*Collaboration:* Andrew Bell (Promerus Inc.)

## A.3 Metal Catalyzed Borylations



*Publication:* 'Metal catalysed hydroboration of vinyl sulfides, sulfoxides, sulfones, and sulfonates' Webb, J. D.; Harrison, D. J.; Norman, D. W.; Blacquiere, J. M.; Vogels, C. M.; Decken, A.; Bates, C. G.; Venkataraman, D.; Baker, R. T.\*; Westcott, S. A.\* *J. Mol. Catal. A: Chem.* **2007**, 275, 91-100.

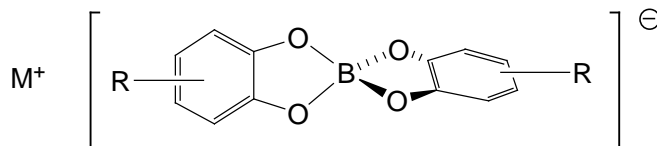
*Collaboration:* R. Thomas Baker (Los Alamos National Labs)

*Collaboration:* Fred Fontaine (Université Laval)

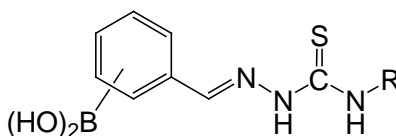
*Collaboration:* Elena Fernández (Universitat Rovira i Virgili, Tarragona)

# Wildtoad Research

## B.1 Bioactive Arylspiroboronate Esters



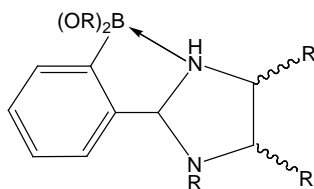
## B.2 Bioactive Boron-Containing Thiosemicarbazones



*Publication:* 'Synthesis, characterization, and antifungal activity of boron containing thiosemicarbazones' Hicks, J. W.; Kyle, C. B.; Vogels, C. M.; Wheaton, S. L.; Baerlocher, F. J.; Decken, A.; Westcott, S. A.\* *Helv. Chim. Acta.* **2007**, *90*, submitted.

*Collaboration:* Felix Baerlocher (MtA)

## B.3 Bioactive Diamines Containing Boronic Acid Derivatives



*Publication:* 'Synthesis and antifungal and antibacterial bioactivity of cyclic diamines containing boronate esters' Irving, A. M.; Vogels, C. M.; Nikolcheva, L. G.; Edwards, J. P.; He, X.-F.; Hamilton, M. G.; Baerlocher, M. O.; Baerlocher, F. J.; Decken, A.; Westcott, S. A.\* *New J. Chem.* **2003**, *27*, 1419-1424.

*Collaboration:* Felix Baerlocher (MtA)