**Benita Brink, Ph.D.**



**Department Chair & Associate Professor of Biology**

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**Education**

* B.S. Aquinas College
* Ph.D Marquette University

**Courses Taught**

* Cellular Biology and Genetics Laboratory
* General Biology
* Genetics
* Microbiology
* Molecular Biology

**Academic Advising**

* Genetics
* Microbiology
* Molecular Biology
* Pre-Medicine
* Pre-Physician's Assistant
* Pre-Dental

**Research Interests**

My current research interests include microbial genetics and microbial ecology. Previous research focused on the role of lipopolysaccharide in the establishment of a symbiosis between Rhizobium leguminosarum and its legume host. The genetics of lipopolysaccharide, in particular the conservation and genomic location of these genes among various Rhizobium strains and species, was investigated.

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**Selected Publications**

* Noel,K.D., R.J. Diebold, J.R. Cava and B.A. Brink (1987). Rhizobial purine and pyrimidine auxotrophs: Nutrient supplementation, genetic analysis, and the symbiotic requirement for de novo purine biosynthesis. Arch. Microbiol. 149:499-506.
* Brink,B.A., J. Miller, R.W. Carlson and K.D. Noel (1990). Expression of Rhizobium leguminosarum CFN42 genes for lipopolysaccharide in strains derived from different R. leguminosarum soil isolates. J.Bacteriol. 172:548-555.