

G. Charles Dismukes

Professor of Chemistry

Ph.D., University of Wisconsin, Madison, 1976



Research Interests

The research opportunities in the Dismukes group fall into two areas: bioinorganic/materials chemistry and biological chemistry/physiology. We adopt a quantitative approach that comes from a background in experimental physical chemistry, photosynthetic metabolism, and synthetic inorganic chemistry. The main goals of the group are to further the understanding of natural photosynthesis and to apply this knowledge to create alternative sources of energy, including biohydrogen and biomimetic catalysts for hydrogen production.

Areas of Expertise

Solar-based fuel production, photosynthesis, metals in biological systems

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