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Photosynthesis; Microalgae; Carbon Dioxide Uptake; Energetic Efficiency; Temperature Stress

Food production is fundamentally limited by the properties of the photosynthetic CO₂-fixing enzyme Rubisco. Its oxygenase reaction dissipates 50% of light energy captured by the plant. The Mueller-Cajar laboratory studies the mechanisms that have evolved to compensate the enzyme's "defects" and even supercharge Rubisco.

Potential Areas for Collaboration

- We are willing to collaborate in any area as long as a precise, important and tractable problem of mutual interest has been formulated.
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