

演題：**Fuel from Water: The Light-Driven Generation of Hydrogen**

講師：**Prof. Richard Eisenberg**

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要旨：

This century's greatest technological challenge is the conversion of sunlight into usable energy in a sustainable, environmentally benign and carbon-neutral way on a global scale. For light to chemical energy conversion in a designed photosynthetic system, the splitting of water into its constituent elements is the key energy-storing reaction. As with natural photosynthesis, such a system relies on light absorption, charge separation, and catalysis. In this lecture, recent efforts are described that focus on different components and system compatibility for the reductive side of the water splitting reaction.

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