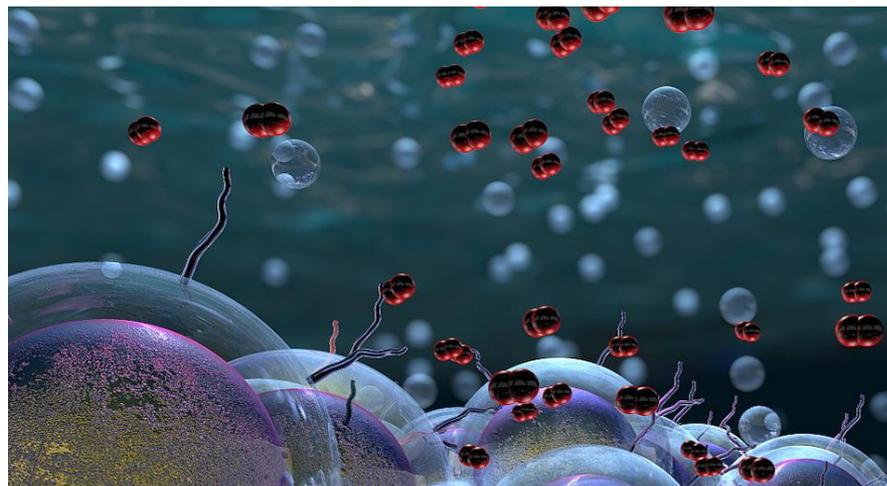


Alliance for Molecular PhotoElectrode Design for Solar Fuels (AMPED)

Gerald J. Meyer (University of North Carolina at Chapel Hill); Class: 2018-2020

MISSION: To develop the fundamental molecular basis for solar-driven water oxidation and carbon dioxide reduction catalysis



www.amped.unc.edu

RESEARCH PLAN

The AMPED EFRC will focus on molecular approaches to dye-sensitized synthesis of solar fuels, with an emphasis on the fundamental energy science underpinning photocatalytically active materials. A variety of individual photoelectrode architectures are being mechanistically examined using diverse solution and surface characterization techniques to provide an unparalleled depth in understanding of light-driven chemistry at material–molecule–electrolyte interfaces.



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