

GDCh- und Chemisches Kolloquium Montagstermin! Raumänderung!

Der GDCh-Ortsverband Oldenburg und das Institut für Reine und Angewandte Chemie der Carl von Ossietzky Universität Oldenburg laden zu einem Vortrag

von Prof. Dr. Venkatesan Renugopalakrishnan
Harvard Medical School and Florida International University, USA

zum Thema Bio-Solar Cells

herzlich ein.

Termin: **Montag, den 07.05.2007 17 Uhr c.t.**
Hörsaal W3-1-156,
Carl-von-Ossietzky-Straße 9-11

Einladender Dr. Rainer Koch

The interface between biological macromolecules and inorganic/organic molecules is emerging as an important and technologically promising frontier in modern science. The basic goal of our research is to design biological macromolecules endowed with specific physical properties and functionality and modify them by genetic engineering. The greatest challenge lies in capturing the biological macromolecules on active surfaces for optimal expression of their functions and the engineering aspects to transform them into functional devices. Our multi-disciplinary research heavily dwells on the basic science aspects of bio-nano interface and cuts across traditional boundaries of physics, chemistry, biology, material science and engineering. In my talk I will discuss mainly the bio sensitizing solar cell, but will also briefly touch information storage media based on biomolecules, and *multifunctional* chemical/bio-sensor array on a silicon platform using *native* and *genetically-modified* electro-active proteins anchored onto nanoscale segments of carbon nanotube (CNT) networks.

GDCh-Ortsverband Oldenburg
Der Vorsitzende

Institut für Reine und Angewandte Chemie
Der Direktor



GESELLSCHAFT DEUTSCHER CHEMIKER E. V.
Ortsverband Oldenburg