

# Creating Global Solutions



19 to 22 October 2010  
Melbourne Convention and Exhibition Centre  
[www.ausbiotech2010.com.au](http://www.ausbiotech2010.com.au)



## AUSBIOTECH 2010 NATIONAL CONFERENCE SPEAKERS' PROFILE

**Associate Professor Ben Hankamer**  
**Director of the Solar Biofuels Consortium**  
**Division of Chemistry and Structural Biology**  
**The Institute for Molecular Bioscience**

**PhD:** Imperial College London (1990-1994)

**Post Doc/Research lecturer:** Imperial College London (1994-2002)

**Principle Investigator:** Institute for Molecular Bioscience, The University of Queensland (2002-onwards)

**Director:** Solar Biofuels Consortium ([www.solarbiofuels.org](http://www.solarbiofuels.org)) (2006-onwards)

Over the past 10 years, Ben Hankamer has focused on the development of environmentally friendly high-efficiency biofuel production systems. This area represents a rapidly expanding biotechnology. His specialization is in the structural biology of the photosynthetic machinery, which drives the conversion of solar energy into chemical energy (fuels) and has published extensively on the water splitting Photosystem II complex, its light harvesting antenna system and V-type ATPase (*Nature*, *Nature Structural Biology*, *TIBS*, *PNAS*). Using this knowledge of the photosynthetic machinery, he embarked on the targeted engineering of the green alga *Chlamydomonas reinhardtii* for high-efficiency biofuel production. To facilitate the development of high efficiency biofuel systems he founded the Solar Biofuels Consortium ([www.solarbiofuels.org](http://www.solarbiofuels.org)) which he now directs. The consortium includes eight international teams and conducts economic analysis, bio-discovery, marine biology, structural biology, molecular biology, microbiology, genomics, metabolomics, culture optimisation and bioreactor scale up within a coordinated research program of parallel research streams.

