



4<sup>th</sup> EUROPEAN SYMPOSIUM ON  
**BIOPOLYMERS**  
OCTOBER 2 - 4, 2007 - KUŞADASI, TURKEY

Molecular Basis, Production & Applications of Biopolymers in Biotechnology, Biomedicine & Nanobiomaterials



## 4<sup>th</sup> European Symposium on Biopolymers

Molecular Basis, Production and Applications of Biopolymers  
in  
Biotechnology, Biomedicine and Nanobiomaterials

Kuşadası-Turkey, October 2-4, 2007

**New Abstract Deadline: May 31, 2007**

### Some Speakers & Tentative Titles

- A. Steinbüchel "Peculiarities and perspectives of biopolymers"
- M. Zinn "Recent advances of bacterial synthesis of polyhydroxyalkanoates"
- A. Sallam, A. Steinbüchel "Biosynthesis, metabolism and applications of cyanophycin"
- A. Steinbüchel "Enzymes involved in microbial degradation of natural rubber and gutta percha"
- R. L. Reis "Different natural origin polymers and their use in tissue engineering and regenerative medicine strategies"
- J. L. García "Sustainable production of monomers by metabolic engineering: a chance for semi-synthetic polymers"
- L. Pravata, C. Braud, M. Boustta, M. Vert "Hyaluronic acid hydrophobized with PLA oligomers"
- K. O'Connor "Chemo-biotechnological conversion of petrochemical plastics to biodegradable polymers"
- A. Khademhosseini "Microengineering the cellular microenvironment"
- J. Kirkpatrick "In vitro studies on biopolymers for regenerative medicine"
- M. Toner "Microchip tools for systems biology and life sciences"
- C. Rodriguez-Cabello "Highly (bio)functional recombinant protein polymers"
- D. Hulmes "Control of collagen assembly and applications in tissue engineering and repair"
- A. Motta "Nanostructure depending cross-talk between materials (e.g. fibroin) and the biological environment"
- A. Prieto "New clues in the regulatory system driving the production of mcl-PHA in *Pseudomonas putida* KT2442"
- J. S. Roman "Novel possibilities of derivatives of chitosan for drug delivery and Tissue Engineering"
- C. Migliaresi "Transforming a protein, silk fibroin, in nanostructured scaffolds tailored to regenerative medicine applications"
- E. Shishatskaya "Biodegradable PHAs: production, biomedical investigations, applications"
- U. Demirci "Bio-acoustic-mems for medical applications"
- H. Uludağ "Polycations incorporating endogenous lipids for delivery of nucleic acid based therapeutic agents"