

Programme

1st International NanoBioTechnology Symposium (NanoBioTech 2014)

August 27-29, 2014,

Meeting Site: Köyceğiz Halk Eğitim Merkezi

Köyceğiz, Muğla, Turkey

27 August 2014 **WEDNESDAY**

16.00 Registration: Halk Eğitim Merkezi

18.00 Opening / Welcome

Opening Session

Chair: Allan Hoffman, USA

18.30-19.00 "Sustainable biofuels, biobased chemicals and plastics: A Global challenge or dream",
Stanislav Miertus, International Centre for Applied Research and Sustainable Technology,
Bratislava, Slovakia & Trieste, Italy

19.00-19.30 "Biobased/biodegradable/compostable polymers for diverse uses",
Erhan Pişkin, K. Salimi, S. Eğri, Hacettepe University, Ankara, Turkey;
Gaziosmanpaşa University, Tokat, Turkey

20.00 **Welcome:** Food - Drinks - Music

28 August 2014 **THURSDAY**

Session 1 **Chair:** Stanislav Miertus, Slovakia - Italy

08.30-09.00 "History of nano-scale drug delivery systems",
Allan Hoffman, University of Washington, Seattle, USA

09.00-09.25 "Polymeric nanosystems for intracellular delivery of therapeutics",
Volga Bulmuş, İzmir Institute of Technology, İzmir, Turkey

09.25-09.50 "Self-assembled peptide nanostructures for functional materials",
Mustafa O.Güler, Bilkent University, Ankara, Turkey

09.50-10.15 "Tailored molecules for biomimircy",
Nihal Aydoğan, Hacettepe University, Ankara, Turkey

- 10.15-10.30 “The new system for protein transport and release: Stimuli responsive lipid nanotubes”,
Handan Unsal, N.Aydođan, Hacettepe University, Ankara, Turkey
- 10.30-11.00 Coffee Break**
- Session 2 Chair: Ali Tuncel**, Turkey
- 11.00-11.20 “High throughput screening with AMBR (Microbioreactors)”,
Ralph von Strandmann, TAP Biosystems, Herts, UK
- 11.20-11.40 “Biobased materials for agricultural use”
Kemal Kesenci, Sefa Tarım, Konya, Turkey
- 11.40-12.00 "Production of biologicals by genetically engineered microorganisms"
Eda Çelik Akdur, Hacettepe University, Ankara, Turkey
- 11.40-12.00 "Production of biologicals by genetically engineered microorganisms"
Nuno Cerca, University of Minho, Braga, Portugal
- 12.00-12.40 “Machining-based fabrication of microfluidic devices for biotechnology”,
Barbaros Çetin, Bilkent University, Ankara, Turkey
- 12.40-13.40 Lunch / POSTERS 1**

29 August 2014 **FRIDAY**

- Session 3 Chair: Eda Çelik Akdur**, Turkey
- 08.30-09.00 “Expression of plasmids in cleavage stage mammalian embryos and generation of transgenic farm animals by transposition”,
Wilfried A. Kues, Friedrich-Loeffler-Institute, Neustadt, Germany
- 08.50-09.10 “Genetically modified plants”,
Şule Arı, İstanbul University, İstanbul, Turkey
- 09.10-09.30 “Engineering algae to produce recombinant biomolecules”
Arzu Yıldırım, Ege University, İzmir, Turkey
- 09.30-09.50 “Genetic manipulations of bacteria”,
İsa Gökçe, Gaziosmanpaşa University, Tokat, Turkey
- 09.50-10.10 “Genetically modified yeast”,
Mehmet İnan, Akdeniz University, Antalya, Turkey
- 10.10-10.30 “Gen transfer to animal cells”
Sedat Odabaş, Ankara University, Ankara, Turkey
- 10.30-11.00 Coffee Break**
- Session 2 Chair: Nihal Aydođan**, Turkey
- 11.00-11.20 “Gold decorated organic and inorganic materials”,
Ali Tuncel, Hacettepe University, Ankara, Turkey
- 11.20-11.40 “Nanomaterials based electrochemical biosensors”
Arzum Erdem, Ege University, İzmir
- 11.40-11.55 “Differentiation of dsDNA and ssDNA using conducting polymer coated electrodes”

Filiz Kuralay, A. Erdem, S. Abacı, H. Özyörük, Ordu University, Ordu, Turkey;
Ege University, İzmir, Turkey; Hacettepe University, 06800, Ankara, Turkey

11.55-12.10 “NF-kB signaling in cancer therapy”

Kamile Öztürk, Aksaray University, Aksaray, Turkey

12.10-12.25 “Nanoparticles for transfections”,

Güldem Güven Utkan, N.Türkoğlu Laçın, T.Kutsal, TÜBİTAK MAM, Kocaeli,
Yıldız University, İstanbul, Turkey; Hacettepe University, Ankara, Turkey

12.25-12.40 “Use of nanoparticles for the delivery of genetic materials in prevention of restenosis”

Nelisa Türkoğlu Laçın, G.G. Utkan, T. Kutsal, E. Pişkin, Yıldız University, İstanbul, Turkey;
TÜBİTAK MRC, Kocaeli, Turkey; Hacettepe University, Ankara, Turkey

12.40-13.40 Lunch / POSTERS 2 – Closing Remarks