

January 13th, 2010 — Wednesday

- 15:30 - 18:00** Registration
19:00 - 22:00 Conference Banquet
(Science Faculty, Block-B Foyer)

January 14th, 2010 — Thursday

- 09:15 - 09:30** Opening/Welcome Remarks
İhsan Gürsel (Chair, Organizing Committee)

MORNING SESSION (Chair: Clotilde Thery)

- 09:30 - 10:30** **Mehmet Toner, (Harvard, USA)**
Lab on a Chip: New horizons in nanobiosciences (**Plenary Lecture**)
- 10:30 - 10:50** Coffee Break
- 10:50 - 11:40** **Steffen Gay (Zurich, Switzerland)**
Contribution of type and source of exosomes in systemic inflammatory and autoimmune diseases
- 11:40 - 12:30** **Clotilde Thery (Paris, France)**
Exosomes in immunotherapy
- 12:30 - 14:00** LUNCH

AFTERNOON SESSION I (Chair: Ken J. Ishii)

- 14:00 - 14:50** **Jean Luc Coll (Grenoble, France)**
Targeted cancer drug delivery using nanoparticles
- 14:50 - 15:40** **Ken J. Ishii (Osaka, Japan)**
Innate Immune mechanism of flu vaccine
- 15:40 - 16:00** Coffee Break

AFTERNOON SESSION II (Chair: Hasan Bayram)

- 16:00 - 16:50** **Olga Mykhaylyk (Munich, Germany)**
Magnetofection: applications in nanomedicine and nanobiotechnology
- 16:50 - 17:40** **Hasan Bayram (Gaziantep, Turkey)**
Nanotoxicology: assessing the risks induced by nanotechnology

January 15th, 2010 — Friday

MORNING SESSION (Chair: Hilmi Özçelik)

- 09:40 - 10:30** **Batu Erman (İstanbul, Turkey)**
Assembling the multi-subunit T cell receptor in T lymphocytes
- 10:30 - 11:20** **Nesrin Hasırcı (Ankara, Turkey)**
Nano modifications of macro systems in medicinal applications
- 11:20 - 11:40** Coffee Break
- 11:40 - 12:30** **Hilmi Özçelik (Toronto, Canada)**
High-throughput genome analyses and application to personalized medicine
- 12:30 - 14:00** LUNCH

AFTERNOON SESSION (Chair: İhsan Gürsel/Can Akçalı)

- 14:00 - 16:00** **Selected Short Communications** (15 min. each)
- Neşe Akis:** Oligomer design for the atheroprotective gene products
- Tamer Kahraman:** Contribution of exosomes to the severity of allergy and autoimmune diseases
- Necati Vardar:** Band Gap Modification of Single Wall Carbon Nanotubes
- 15:00 - 15:15** Coffee Break
- Deniz Şenyay:** Are proteins really going supercritical?
- Fuat Cem Yağcı:** Applications of immunosuppressive nanoparticle forming DNA to treat autoimmune and autoinflammatory diseases
- Dilek Tiyekli:** Neutrophil polarization and chemotaxis
- 16:00 - 16:50** **Cevayir Coban (Osaka, Japan)**
Hemozoin, a malaria parasite nanocrystal: from malaria infection to vaccine adjuvant

January 16th, 2010 — Saturday

MORNING SESSION (Chair: Engin U. Akkaya)

- 09:40 - 10:30** **Engin U. Akkaya (Ankara, Turkey)**
BODIPY functionalized single walled carbon nanotubes
- 10:30 - 11:00** **Yakup Arica (Ankara, Turkey)**
Use of magnetic nanoparticles for the separation of therapeutic proteins
- 11:00 - 11:20** Coffee Break
- 11:20 - 12:00** **İhsan Gürsel (Ankara, Turkey)**
Strategies to enhance nucleic acid delivery to immune cells
- 12:00** Closing Remarks

Workshop on Current Trends in Molecular Nanobiosciences