



**Conference on Molecular Aspects of Cell Biology:  
A Perspective from Computational Physics**

**11 - 15 October 2010  
ICTP, Trieste, Italy**

**LIST OF POSTER PRESENTATIONS**

**Dhamia AL FENDI**

Isolation and Purification of Proteinous Material from Cachectic Cancer Patients

**F. BAFTIZADEH BAGHAL**

Simulating polypeptide aggregation in explicit solvent by bias-exchange metadynamics

**M. CIOPATA**

*Ab initio* studies of fluorouracil and pyridoxine interaction with Single Walled Carbon Nanotubes

**P. DANS PUIGGROS**

Hybrid all-atom/coarse-grain models for DNA simulations in implicit and explicit solvents

**U.L. FULCO**

Specific heat spectra for the (5Q, 7Q) variants of an  $\alpha$ -helix

**Karina GARCIA - I (oral contribution)**

How regulatory CD25+CD4+T cells impinge on tumor immunobiology? On the differential response of tumors to immunotherapies

**Karina GARCIA - II**

How regulatory CD25+CD4+T cells impinge on tumor immunobiology? On the existence of two alternative dynamical classes of tumors

**Karina GARCIA - III**

Modeling the role of IL-2 in the interplay between CD4<sup>+</sup> Helper and Regulatory T cells

**G. HADDADI**

Evaluation of melatonin as an anti-apoptotic agent in irradiated cervical spinal cord

**S. HADI ALIJANVAND**

(unable to attend. Poster presented by Niloofar KETABI)

Biophysical effects of ion concentration on the affinity between nanopore, OmpF lumen and passing nucleotide

**P.K. HAKOBYAN (oral contribution)**

Research and modeling of human red blood erythrocyte membrane: A molecular dynamics study

**N. KETABI (oral contribution)**

Biophysics of membrane nano-pore forming proteins and their response to the medium electromagnetic field in real time

**LAKSHMIPATHI Senthilkumar**

Interaction studies of cysteine with  $\text{Li}^+$ ,  $\text{K}^+$ ,  $\text{Be}^{2+}$ ,  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$  metal cation complexes

**I.I. LATEEF (LATIF)**

Immunohistochemical study of retinoblastoma protein (pRb) expression in cervical carcinomas and their premalignant lesions

**P. LUPIERI**

Predicting the optical properties of fluorescence probes in a protein matrix: a 2-rhodamines-labeled biosensor for inorganic phosphate

**M.E. MOUSTAFA**

Structure-function relationship of selenoprotein K using bioinformatics

**NGUYEN Ha Hung Chuong**

G-protein coupled receptors GPCR

**R. RODRIGUEZ-ROJAS**

Metabolic changes underlying bold signal variation after administration of zolpidem

**G. ROSSETTI (oral contribution)**

Huntingtin: Stability and interaction with molecular partners from computational biophysics studies

**M. SANTILLAN (oral contribution)**

Numerical solution of the chemical master equation: mRNA bursting in a gene network with negative feedback regulation

**VO CAM QUY**

Computer-aided design of ligands interfering with HIV-1 gene regulation

**F. ZONTA**

Connexin 26 structure and function investigated *in silico* by molecular dynamics simulations