

7th BioSapiens European School in Bioinformatics - 27. - 31. August 2007, Basel, Switzerland

Participants were encouraged to present their present research work in a 10 minutes slide presentation (max. 5 slides) that will be discussed during the course. Please bring your slide presentation (in *power point* or *pdf* format) on CD or on “memory stick” or send it to Lorenza Bordoli by e-mail.

Presentation guidelines:

- 1) General Introduction (1 slides)
- 2) Current project-results (1-2 slides)
- 3) Project outlook (1 slide)
- 4) If applicable: problem(s) encountered during the project that could be addressed with bioinformatics tools/methods (1 slide)

Program:

Monday 27th August

Kathrin Meyer - *The role of SMN in motoneurons and its potential in a gene therapy against Spinal Muscular Atrophy*

Garif Yalak - *In silico and in vitro analyses of FBNI mutations*

Colette Maurer - *Functional Analysis of Genes of the Zebrafish Retina*

Akinloye Oluyemi - *Androgen receptor (CAG and GGN) repeat polymorphisms in spermatogenic failure.*

Tuesday 28th August

Pietro Buffa - *Modelling of ABL and ARG proteins predicts two functionally critical regions that are Natively Unfolded.*

Nicole Scherr - *Structure of PknG from Mycobacteria and related species*

Davide Chicco - *OpenAdap.net: an actual way to share tools and programs for bioinformatics and other science communities*

Benoit Combaluzier - *Involvement of Coronin 1 in mycobacterial pathogenesis Importance of different Coronin 1 domains and similarities to other coronin family members*

Wednesday 29th August

Georgi Bonchev - *Retrotransposons as a tool for diversity and fingerprinting analysis of plant genome*

Barbara Nerima - *Mechanisms of drug resistance in T. brucei*

Thursday 30th August

Veronica Sanchez Freire - *Molecular approach to Interstitial Cystitis*

Pier Jr Morin - *Development of molecular strategies for therapeutic interference in glioblastomas.*

Philippe Suarez - *Role of ENaC-mediated sodium fluxes in skin wound healing.*

Claudia List - *Selection of long synthetic peptides as diagnostic antigens in helminth serology*

Friday 31st August

Katharina Schmidt - *A microarray screen for targets of the viral interferon regulatory factor K10.5*

Julian Ghering - *Algorithm validation for tiling microarray data*

Bram Bekaert - *Complex design of human gene expression microarray experiment and optimisation of data analysis to discover selenium-induced hypermethylated genes in prostate cell lines.*