

# Team Meeting, June 5 , 2010

IGEM – Debrecen meeting, Saturday 2010.06.05, LSB

10.00 am, Ophir's presentation (found online)

10.32 am, Bence+Kata presentation Euk-Euk interaction, using Ectison fused Gal4 (details will be presented in slide show)

Euk-Prokaryote interaction using the above ->expressing Lux1 which leave the cell to activate prokaryote nuclear gene.

10.45 Erika's presentation – Hypoxia switch model; HIF1alpha, constitutive inhibition under normoxemia (will be outlined in presentation)

11.00 Yakir's presentation, summery of collection of ideas from 2010.06.04 meeting;

– Stem cell TF (OCT4, KLF4, SOX2, c-MYC), pushing differentiated cells to underdifferentiated (SC), pushing these cells to a certain direction (inflammatory-cell

<neutrophil, T-cell, macrophage>, dopaminergic secreting cell, etc.); also, this cell placed by ectison initiating apoptosis upon stimulation, this by taking a pill.

– Smart toilet (was done?)

– Metal related TF : monitoring Copper, Pb, (iron?) levels

– Wilson's disease,

– Hemochromatosis, hemosiderosis

– environmental hazards

– Sponge detector of metallic/ protein..

– Dose-response curves of 25-30 systems; GAL1 as a control

– Membranous blockade of InsR, Erbb2, etc. This way preventing from the cell growth, external stimuli, lead to apoptosis

11.22 Dr. Balint summary: see project plan !!