



NACIONALNI INŠTITUT ZA BIOLOGIJO

Večna pot 111, SI-1000 Ljubljana

**Nacionalni inštitut za biologijo** Vas vabi, da se udeležite predavanja:

**»Discovery and biological significance of new secreted human LY6 proteins and their connection to the mouse Stem Cell Antigen (Sca-1) gene and to the interferon system«,**

**ki ga bo predstavil**

**prof. DANIEL WRESCHNER, PhD MD**  
**z Univerze v Tel Avivu, Izrael**

**Predavanje bo potekalo v ponedeljek, 4. julija 2016, ob 11. uri,  
v Biološkem središču, Večna pot 111, v Ljubljani, v predavalnici B4.**

**Predavanje bo v angleškem jeziku.**

**Povzetek predavanja:**

In the past, we discovered a number of new human and mouse genes that all code for secreted proteins comprising an LY6 domain ("PATEGene Clusters Code for Multiple, Secreted TFP/Ly-6/uPAR Proteins That Are Expressed in Reproductive and Neuron-rich Tissues and Possess Neuromodulatory Activity", Levitin et al, JBC 2008). We have recently discovered an additional new *human* LY6 gene, heretofore not annotated, that has a very restricted pattern of expression in human tissues and is expressed in certain cancers. Expression of this gene is induced by interferon-beta and generates by alternative splicing both a GPI-linked, membrane-bound protein as well as a secreted protein. It appears as if this gene may be the long sought-after human homolog of the mouse Sca1 (stem cell antigen-1) gene.

Vljudno vabljeni!