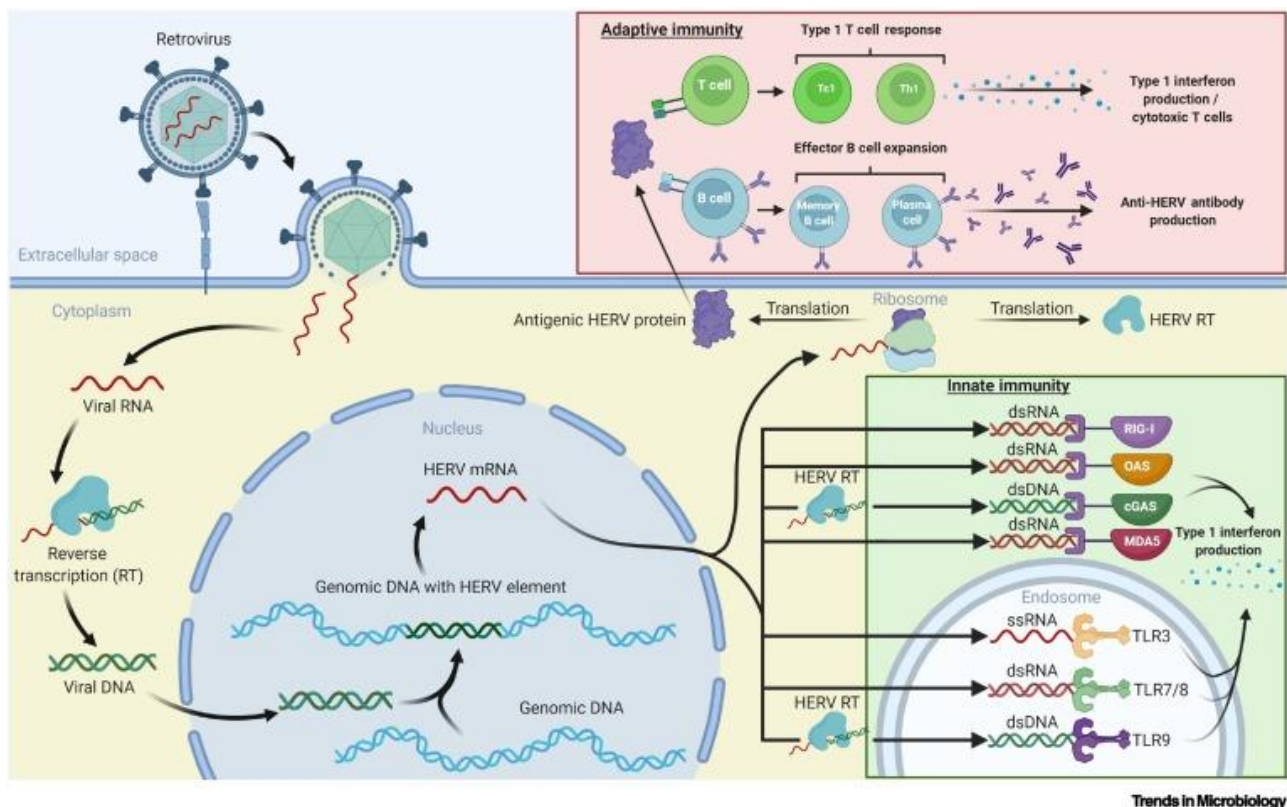


A tutta la comunità scientifica del Dipartimento di Area Medica

AVVISO DI SEMINARIO

Il giorno giovedì **22 giugno 2023**, alle ore **14**, in aula **Seminari** (Aula convegni), piazzale Kolbe 4 Udine, si terrà il seminario della dottoressa Nicole Grandi (RTDB in Microbiologia presso l'Università di Cagliari) dal titolo: "Friends or Foes? Human Endogenous Retroviruses: physiological roles and transcriptional modulation in diseased conditions".



Human Endogenous retroviruses (HERVs) are genomic remnants of ancient infections affecting primates' germ line that have been fixed in our genome, representing a large fraction of human DNA. HERV transcriptional activity is finely regulated during development, and growing evidence suggests its specific modulation in the different cell types and tissues. While a few physiological roles have been demonstrated, the specific impact of HERV expression on human disorders is only partially understood.

High-throughput sequencing has recently allowed for crucial advancement in elucidating the various HERV transcriptional patterns, being able to detect the specific expression of each HERV sequence in the genome. Relying on this exhaustive approach, we characterized HERV basal activity in human cells and evaluated their differential expression in a number of diseased conditions, including viral infections, cancer, and autoimmune disorders.

Overall, results are providing a snapshot of HERV-specific modulation under the different pathological stimuli, setting the bases for the selection of specific candidates to be further investigated for their possible impact on the host biology

Si ringrazia quanti vorranno partecipare