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International Centre for Genetic
Engineering and Biotechnology

Developing
Knowledge

ICGEB International SEMINAR PROGRAMME 2017

Monday, 17 July 2017 | 12:00 noon | ICGEB Seminar Room, W building | Padriciano, 99, Trieste, ITALY



Trevor SWEENEY

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Viruses must compete with cellular mRNA for the protein synthesis machinery of cells they infect to replicate. Internal Ribosomal Entry Sites (IRESs) are large highly structured RNA elements that facilitate ribosome recruitment to an internal location in an end independent manner. Members of the Picornaviridae that possess single stranded positive sense genomes have evolved various IRES elements that facilitate viral protein translation in the face of host translation shut off. I will discuss how in vitro reconstitution of translation on different classes of viral IRES has helped us understand how they function.

“Revealing the modularity of functional elements in viral IRESs using in vitro reconstitution methods”

Hosts: O. Burrone/ G. Papa

Registered seminars are available on iTunes U and ICGEB Podcast at:

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More information at:

seminars@icgeb.org | tel.: 040-3757377



Open event - Free entrance

