ACME Seminar

Speaker	**Dr. Nerea Irigoyen**
Title	**What ribosome profiling is teaching us about Zika virus-induced neuropathogenesis?"**
When	**22.10.2026, 12:45**
Where	**Lecture Hall Q**
Host	**Prof. Abel Viejo-Borbolla**

Main research areas of Nerea Irigoyen:

Viral translation and gene expression
Understanding how viruses regulate the translation of their genomes into proteins.
Investigating non-canonical and alternative translation mechanisms used by RNA viruses

Virus-host interactions
Studying how viruses exploit host-cell translation machinery.
Determining how changes in viral protein synthesis influence infection outcomes.

Cellular stress responses and antiviral therapeutics
Exploring how viruses manipulate cellular pathways such as the unfolded protein response (UPR).
Developing pharmacological strategies that target these pathways to combat viral infections.

Zika virus biology and neuropathogenesis
Investigating how Zika virus genome translation and host-pathogen interactions contribute to viral replication, tissue tropism, neurotropism, and neurological disease, including congenital brain abnormalities.



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Activation of Cellular anti-Microbial

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