



Non-coding RNAs: a new layer of skeletal muscle cell fate regulation and satellite cell communication.

Martes, 14 de mayo de 2024 a las 17:00 horas

Resumen del Seminario:

MiRNAs and lncRNAs are emerging as important players in the regulation of different aspects of cell biology. The former may participate in cell-cell communication through their survival in body fluids; the latter regulate both gene expression and protein activity. The integration of miRNA-lncRNA-coding RNA expression in specific skeletal muscle cells makes it possible to assess non-coding RNA role in disease states and to identify RNAs that can be used to prevent muscle mass loss. In this seminar the new avenues that non-coding RNAs open in the management of neuromuscular diseases will be discussed.

Ponente:

Dr. Stefano Cagnin

Afiliación y Resumen de CV:

The Dr. Stefano Cagnin is an Associate Professor of Genetics in the University of Padova, one of the most ancient and prestigious universities of Italy. His research is focused on skeletal and cardiac muscle and cardiocirculatory system pathophysiology, and the understanding of the role of RNAs, and specially non-coding RNAs, in the modulation of studied conditions. Prof. Stefano Cagnin has extensive experience in analysis of single-cell non-coding RNAs, genome wide analyses, working with skeletal muscle and cardiovascular system, and studying Mitochondrial activity and muscle alterations. Recently, the research group led by the Dr. Cagnin has developed interest in the functional analysis of long non-coding RNAs at the single cell level. They have demonstrated the importance of non-coding RNAs in the maintenance of mitochondrial function in the skeletal muscle in the context of aging processes and consequent frailty. Currently, he is evaluating at the single cell level alterations in arrhythmogenic right ventricular cardiomyopathy. Moreover, he is searching markers in blood and skeletal muscle for frailty caused by ageing.

Organizadores:



Grupo de Investigación LAGENBIO. Instituto de Investigación Sanitaria Aragón (IIS Aragón)
Facultad de Medicina, Universidad de Zaragoza

Inscripción ONLINE

https://us02web.zoom.us/webinar/register/WN_TXFwx0u5SuWXP-Ri-d0_zA

Inscripción PRESENCIAL

<https://bitly.ws/3haTk>

 Place: Salón de Actos Lorente de No, Edificio CIBA.
Avda. San Juan Bosco, 13. 50009. Zaragoza. Online vía ZOOM.
 Date: 14 de mayo de 2024 (17:00 h).

