



investigadores predoctorales en Investigaciones Biomédicas de Aragón

Welcome to the ipIBA seminar series 2023/2024

Short informal talks given by **predoctoral researches of Aragón** with the aim to promote 2 main goals:

1. **Networking** between predoctoral and postdoctoral researchers in Aragón.
2. Improve our **communicative skills**.

“MicroRNAs in human cardiac aging: therapeutics targets and biomarkers”

Tuesday, January 23, 2024

From 9:00 to 10:30

Summary:

Cardiovascular disease (CVD) is one of the leading causes of death in the western world and aging is a chief risk factor predisposing to it. During aging, the heart undergoes remodelling at different levels (molecular, cellular and tissue), which results in its anatomical and functional deterioration. At the molecular level, microRNAs (miRs) are small noncoding RNAs known to regulate gene expression at the post-transcriptional level in many tissues and in physiological and pathological processes, including CVD and cardiac aging. The pleiotropic effect has set miRs in the spotlight of advanced medicine, but the role of miRs on human cardiac aging is still not well understood. Indeed, miRs have been widely proposed as powerful therapeutic targets or biomarkers. By studying the transcriptome profile of human cardiac-aging in the left ventricle (LV), my home group has described a number of biological age-associated microRNAs (BIO-AGEmiRs) and its downstream regulation network of target genes specifically related to cardiac activity. So, deciphering the role of miRs in cardiac aging is a fundamental step in unlocking progress towards modulating the effects of age on cardiac health through the development of pioneering advanced therapies. Such advanced treatments can have a real impact in reducing the socioeconomic burden of CVD.

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Principal Investigator: Dr. Laura Ordovás

Organizes: Institute for Health Research Aragon

Link to join the seminar:

[https://us02web.zoom.us/webinar/register/WN_-kF](https://us02web.zoom.us/webinar/register/WN_-kFhsECrT1GBJBljYOPA-w#/registration)

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 CIBA and online via ZOOM

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