

3 Questions to....

...Ana Sanchis Villariz from CSIC



PANBioRA

What has been most surprising and challenging for you related to your involvement in PANBioRA so far?

Although somehow expected, the great differences we have observed in terms of the immune and cytokine response when studying the same cells, but cultured in 2D or 3D models, was surprising. This demonstrates how cautious we need to be when choosing the model (being a culture cell, an organoid, or a whole organ-on-a-chip approach) for study anything, including biomaterials.

One of the most challenging but also stimulating things about PANBioRA is the part of combining and integrating all the knowledge generated in each work group. The struggle in communicating and also understanding each advance and each problem is one of the tasks that requires a lot of efforts.

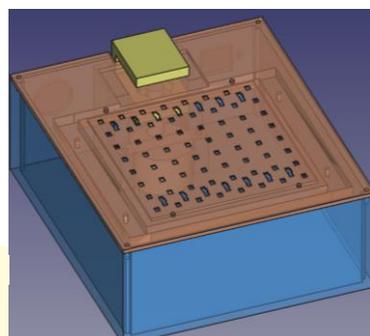
From your point of view: What will be the biggest impact of PANBioRA?

PANBioRA will help to test and evaluate current and new biomaterials for different applications, reducing the time and cost associated to those analyses. This will ultimately translate into a reduction in the clinical complications associated with the use of biomaterials, and an improvement in the quality of life of the patient.

How would you describe PANBioRA in one sentence?

A multidisciplinary approach for the risk assessment of biomaterials used in different medicine disciplines, allowing a better and personalized selection for each patient.

Cytokine Module ©CSIC



Learn more about CSIC and their involvement in PANBioRA!



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The Spanish National Research Council



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Role in PANBioRA:

The role of CSIC will be focused in developing antibody-based optical lab-on-a-chip biosensors for monitoring the profile of expression of pro- and anti-inflammatory cytokines in response to biomaterial presence in order to accomplish the general objective of the PANBIORA project; the improvement of the diagnostics field in the context of novel biomaterials applications.



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