

3 Questions to....

...Alan Morin from Elvesys



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

It is a great experience to take part in a project involving so many partners and needing to maintain a constant dialog to find new solutions to the problems encountered.

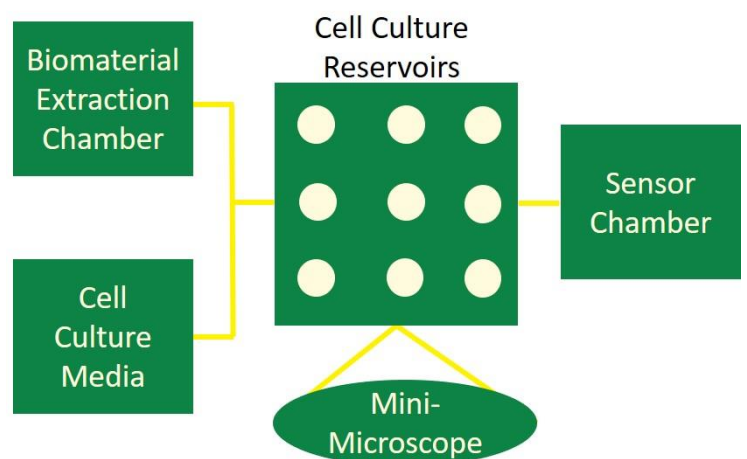
The most **challenging** was the need of constantly improve the system we are designing since new requirements and functionalities appear as we move forward in the project.

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

All the capacities of the PANBioRA device will save a valuable amount of time to researchers and industrials in their investigations for future biomaterials biocompatibility.

How would you describe PANBioRA in one sentence?

A modular device intended to simplify research on biocompatibility for new materials.



Schematic representation of all modules incorporated in the microfluidic platform.

Learn more about Elvesys and their involvement in PANBioRA!



Microfluidics Innovation Center

The [Elvesys Microfluidic Innovation Center](#) is a unique innovative company, halfway between a microfluidic private research lab and a biotech start-up incubator. The core business is to establish scientific collaborations with laboratories all over Europe and create new innovative companies whenever these turn out to be successful. Elvesys has been established by a team of former researcher in microfluidics who have left public research for one reason: “We firmly believe that microfluidics will represent the backbone of the next biotechnological revolution and we want to establish the pillars of the next biotech valley in Europe”.

In order to achieve this goal, Elvesys uses microfluidics to develop new state-of-the-art scientific instruments for European research partners, because new tools are essential to make new discoveries.

Role in PANBioRA:

Elvesys will offer its know-how on microfluidics and system integration to develop a lab-on-chip platform which allows multiparameter analyses for more efficient and tailored biomaterial risk assessment.

The main tasks of Elvesys within PANBioRA are:

- Develop immune tissue models and optimised material delivery methods under flow and static conditions
- Integrate biometric in vitro tissue models for automated indirect and direct cytotoxicity and genotoxicity assays
- System fluidics integration and optimization for automated analyses