

# 3 Questions to....

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BioDevice Systems



PANBioRA

## So far, what has been most surprising for you related to your involvement in PANBioRA?

Basically all our ideas we had in respect to the project, could have been realised. With so many partners involved this absolutely is not a matter of course. Thus, we appreciate this fact even more.

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

Prediction of biomaterial toxicity

## How would you describe PANBioRA in one sentence?

Great project with excellent coordination!

## About BioDevice Systems s.r.o. (BioSys) **BIODEVICE SYSTEMS**

BioDevice Systems is a SME founded in Prague in 2007.

BioSys targets the development and application of computer modelling for the analysis of data in the biomedical field (tissue engineering, biomaterials/cell interaction, morphometric analysis of microobjects). Other direction of our activity is Cell-based analysis and development of 3D cell/tissue structures in vitro and cytotoxic analysis. BioSys especially focus its attention on the integration of various types of experimental data and theoretical predictions regarding simulation (prognosis) of cells and tissue development.

## Role in PANBioRA:

BioDevice Systems is responsible for the development of mathematical models of mass-transfer in flow bioreactor systems. Moreover, a mathematical model, estimating the parameters of the cell response to tested biomaterial, is developed and delivered in form of a software and web-service, available for the project partners.

