



## Newsletter Issue #1



### Welcome...

... to the 1<sup>st</sup> issue of our SINPAIN newsletter. With this newsletter series we will take you with us on our exciting journey to develop an innovative nanotherapeutics pipeline based on siRNA for treating different stages of knee OA. We will give you an overview of our latest activities with a lot of links to find more information about our project. Have fun reading it!

### Meet the team - Interview series with young researchers



In the SINPAIN interview series, we will give researchers, who are just starting their career, the opportunity to tell us about their tasks in the project and share their experiences.

We started with Cristian Salvador who is developing non-viral vectors for siRNA

delivery at the coordinating institution CIDETEC and have recently published the 2nd interview with Beatriz Ribeiro from i3S who is involved in characterizing the human knee joint.

[Read the full interviews  
on our website](#)


## 2nd SINPAIN Progress Meeting - keeping joints healthy



On 23-24 May 2023 the SINPAIN consortium gathered for their 2nd Progress Meeting hosted by University of Piemonte Orientale (UPO) in Novara, Italy. Besides discussing the progress in the project and preparing for upcoming activities, the UPO team organized a bicycle tour through Turin. Doing research in osteoarthritis, we know how important it is to keep the joints healthy!


[Find the report and some impressions  
from the bike tour here.](#)


## More about SINPAIN: Media section



**SINPAIN**

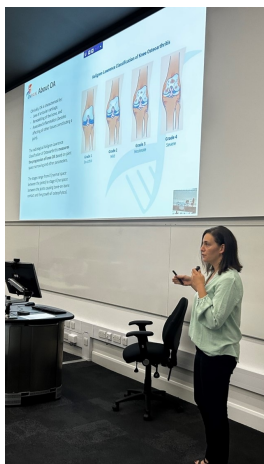
### Downloads

 [LEAFLET](#)

 [FACTSHEET](#)

You are interested in finding out more about SINPAIN? Then we have something for you: On our website, you will find the electronic version of our leaflet and a fact sheet for download. We will stock this section throughout the project with useful and interesting material.

[Here is our media section with  
material about SINPAIN for download.](#)



### Nanomed Europe 2023

On 19-22 June 2023, Nanomed Europe (NME) took place in Liverpool, UK. Neill Liptrott from SINPAIN partner University of Liverpool co-hosted the event and Andrea Haiek from CIDETEC took the opportunity to present our project to a large audience of scientists, technology providers and industry in the field of nanotechnology.

You will find more about Nanomed Europe [here](#).

### SETGYC Congress



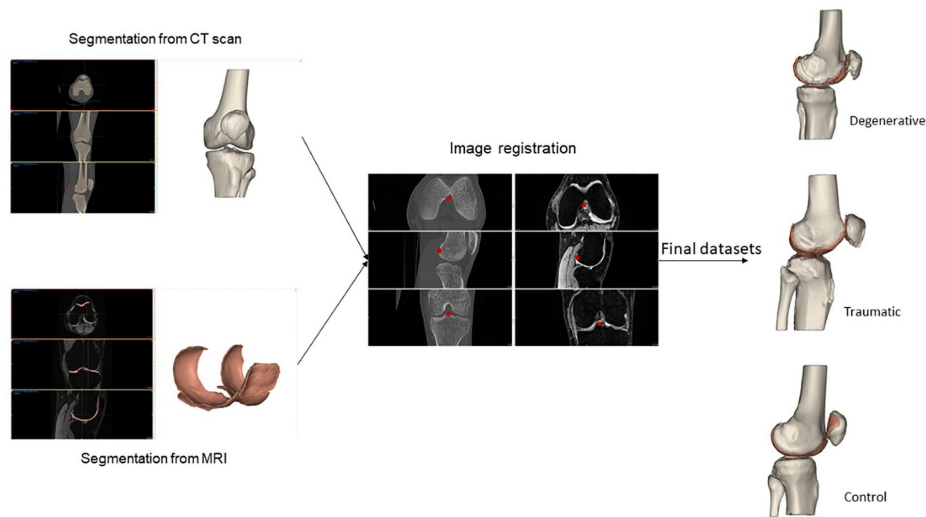
Our partner ASPHALION had a booth at the 12th biannual SETGYC congress that took place on 19-20 June 2023 in Pamplona, Spain. At their booth they also provided material about the SINPAIN project in which they are involved as experts for regulatory issues.

Find out more about ASPHALION at SETGYC congress.

## Related Publications

While SINPAIN itself has not published yet, there are some recent publications of SINPAIN partners the research of which feeds into our project.

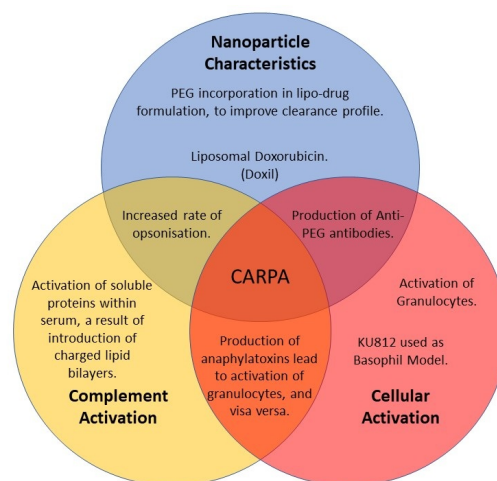
### Toward New Assessment of Knee Cartilage Degeneration



The team at Reykjavik University published an article in the quarterly SAGE journal CARTILAGE and introduced their novel methodology to evaluate knee bones and cartilage based on features extracted from MRI and CT of healthy, traumatic and degenerative subjects. 3D models of femoral, tibial and patellar bones and cartilages are created. The work that has started in the [RESTORE](#) project is now continued in SINPAIN.

[Read the full publication here.](#)

## Application of KU812 cells for assessing complement activation related effects by nano(bio)materials



The team at the University of Liverpool published the results of a small interlaboratory study, on the use of a model of human basophils for assessing the consequences of complement activation in response to nanoparticle exposure. The results were very promising, and show the applicability of the method in nanotherapeutic characterisation, particularly for use in the SINPAIN project.

[Read the full publication here.](#)

**Upcoming**



# Cluster Workshop SINPAIN and cmRNAbone + friends



On the occasion of the ESB 2023 in Davos, Switzerland, SINPAIN is organizing a joint cluster workshop with the H2020 project [cmRNAbone](#). This workshop will take place in the afternoon of 8 September 2023. Representatives of other projects operating in the field of bone research have been invited to join the workshop. We are looking forward to a fruitful exchange of experience!



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