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Newsletter Issue #3



Welcome...

... to the **3rd issue of our annual SINPAIN newsletter**. 12 months full of exciting and diverse activities are behind us. The first SINPAIN publication is available, we went to conferences and organised workshops, engaged with the public, and invested in collaborations with other projects and initiatives. **Enjoy the recap!**

**Meet the team – Interview series
with young researchers**



Our interview series with young and early-stage researchers has continued. Please meet **Line Kawtharany** from INSERM who evaluates axonal growth inhibition and how nanoformulations may possibly reduce that growth; **Joan Cabellos** from Asphalion who brings in the regulatory perspective during product development; **Alexander Deneka**, who works at the David Geffen School of Medicine at UCLA and focuses on characterizing different cells in the context of osteoarthritis progression; and **Christopher David** from University of Liverpool who investigates how advanced therapeutics interact with the human immune system.

[Read the full interviews](#)

SINPAIN consortium meetings



On a bi-annual basis, the **SINPAIN consortium** is gathering in person to discuss the latest progress in the project and deep-dive into aligning on technical issues.

In November 2024, the meeting was hosted by **OZ Biosciences in Marseille, France** and in May 2025, **i3S** welcomed the SINPAIN partners **in Porto, Portugal**. A big thank you to our hosts!

Meeting in
Marseille

Meeting in
Porto

Outreach activities

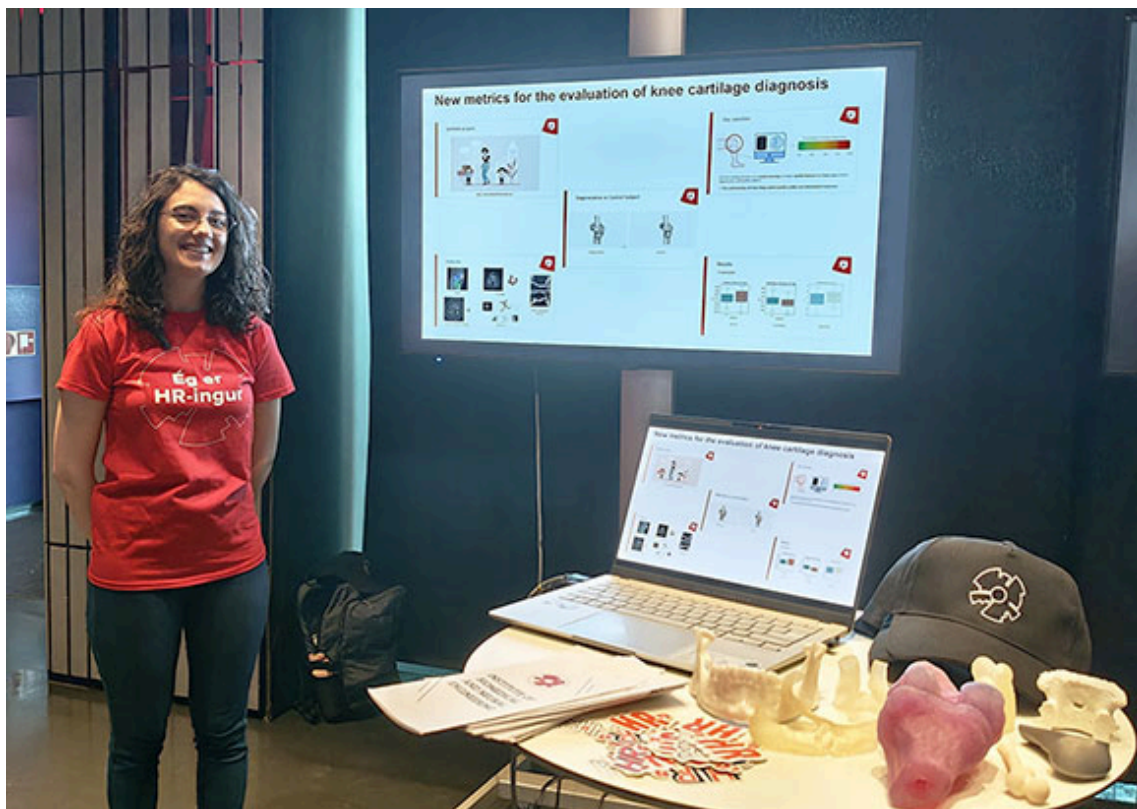
i3S joins public event Mostra U. Porto

On 6-9 March 2025, the Neuro Skeletal Circuits Group (NeSk) from **i3S** participated in Mostra Universidade do Porto, an annual event taking place to inform young people about their options when choosing to pursue their studies at Universidade do Porto.

Mostra U. Porto



Reykjavik University at IT fair UTmessan



This year, **Reykjavik University** participated in UTmessan, Iceland's largest IT event taking place on 7-8 February 2025, and presented their latest innovations in SINPAIN with an exhibition stand.

IT fair UTmessan

European Researchers Night 2024

On 27 September 2024, Europe celebrated science with the European Researchers Night.

The **Neuro Skeletal Circuits Group (NeSk)** of i3S as the **Institute of Biomedical and Neural Engineering (IBNE)** from Reykjavik University took part in the event.

European Researchers
Night 2024



Events

In the past year, **SINPAIN partners** had ample opportunity to present SINPAIN results at conferences and engage in networking with the community. We are presenting you with the highlights here.

EORS 2025

This year's annual event of the European Orthopaedic Research Society was organized by **AO Research Institute (ARI)**. The ARI team was well represented with multiple contributions, including a presentation and an invited talk. **Congratulations go to Zhen Li** for being awarded the EORS Aesculap Prize on Translational Research Towards Clinical Applications.



SINPAIN
@EORS2025

TERMIS 2025

On 20-23 May 2025, TERMIS EU 2025 took place in Freiburg, Germany. **Zhen Li** from **AO Research Institute** not only attended this year's congress but also organised a symposium on the topic of "Frontiers in Musculoskeletal Regeneration".

SINPAIN
@TERMIS 2025

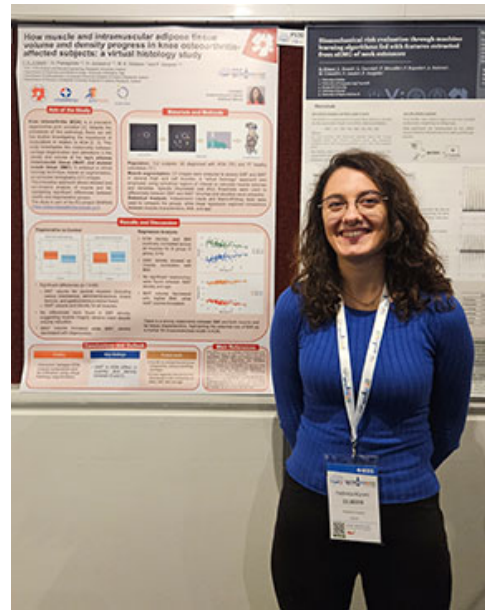


MetroXRAINE 2024

It's a recurring event for **Reykjavík University**! After their participation last year, they also participated in this year's event on 21-23 October 2025 with an oral presentation and two posters.

And they are planning to participate also in the 2025 event!

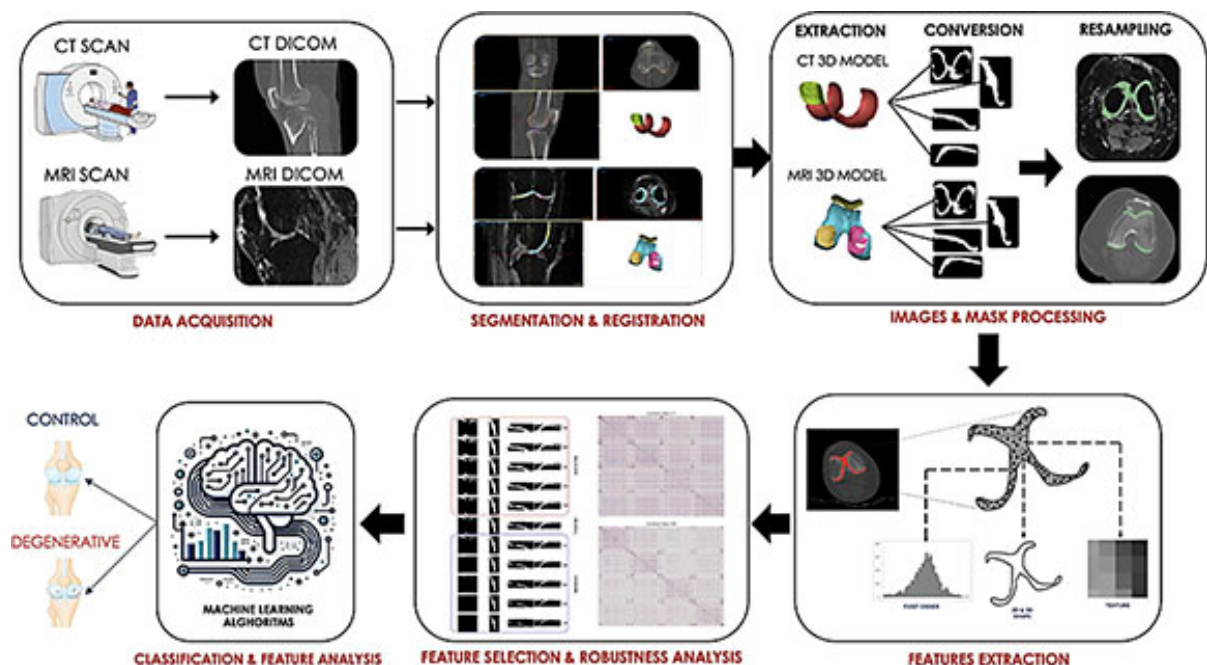
SINPAIN
@MetroXRAINE 2024



SINPAIN Publications

We are very happy about our first **SINPAIN** publication!

Innovative Diagnostic Approaches for Predicting Knee Cartilage Degeneration in Osteoarthritis Patients: A Radiomics-Based Study



The study investigates the use of radiomics – quantitative image analysis combined with machine learning – to improve the diagnosis of knee osteoarthritis (OA). A multimodal dataset including MRI and CT scans of 138 knees was used to extract radiomic features from cartilage segments.

[Read the publication](#)

Related work

Publication by NetwOArk: Advances in Osteoarthritis Patient Stratification

[NetwOArk](#)'s latest publication reviews existing classification methods and proposes a framework that integrates multiple factors, including clinical symptoms, imaging findings, and biochemical markers. The aim is to move beyond traditional, symptom-based classification toward a more comprehensive model that captures the full complexity of OA.

[NetwOArk Publication](#)

EU project cmRNAbone releases video



[cmRNAbone video](#)

While SINPAIN seeks to advance RNA-based therapies for the treatment of osteoarthritis in the knee, focusing on the use of small interference RNA (siRNA), the EU-funded project [cmRNAbone](#) focused on improving the lives of people with large traumatic injuries or bone degenerating diseases. At the end of the project, cmRNAbone is showcasing the project's main accomplishments.

Upcoming

ESB 2025

7-11 September 2025, Torino, Italy

[More information](#)

2025 TERMIS-AP

16-19- October 2025, Wuhan, China

[More information](#)

IEEE MetroXRaine 2025

22-24 October 2025, Ancona, Italy

[More information](#)

We hope you enjoyed the wild ride with us through the past twelve months. Follow us on LinkedIn to stay updated. And watch out for the next issue of the newsletter in a year.



Eurice - European Research and Project Office GmbH

Heinrich-Hertz Allee 1, 66386, St.Ingbert

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