

**10TH EDITION BARÇA SPORTS MEDICINE CONFERENCE**

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# **Muscle & tendon treatments in animal models**

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## n·TRACK

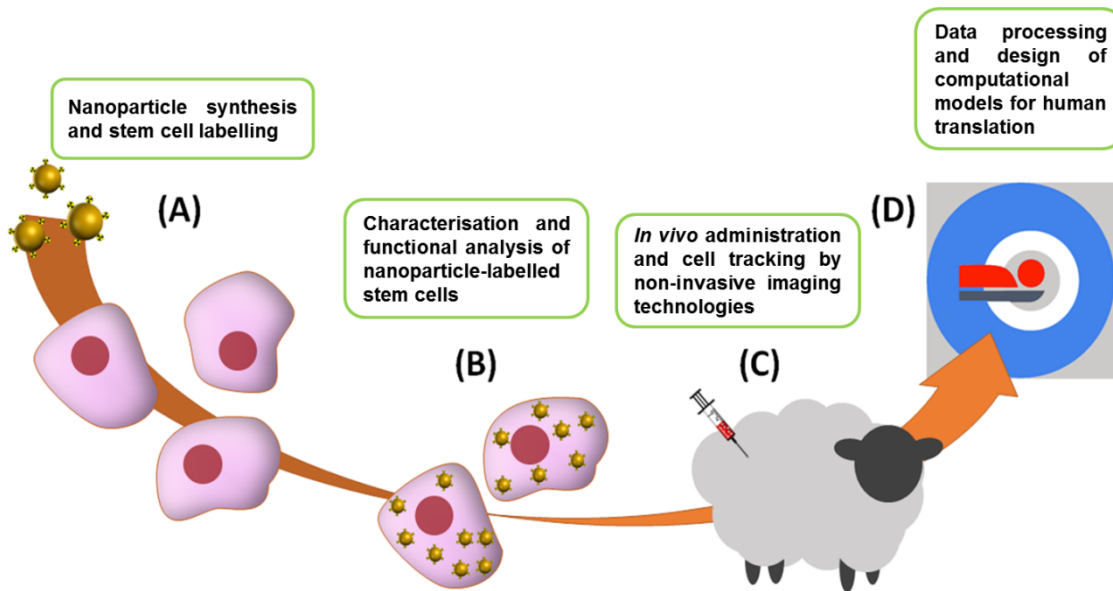
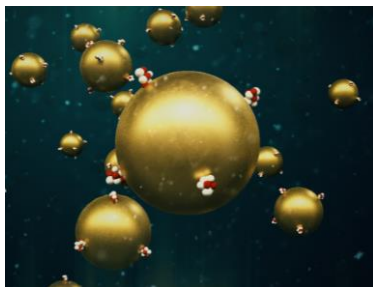
Multimodal nanoparticles for structural & functional tracking of stem cell therapy on muscle regeneration



# MUSCLE INJURY: Large Animal model

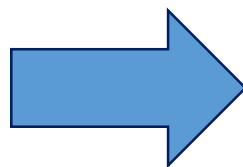
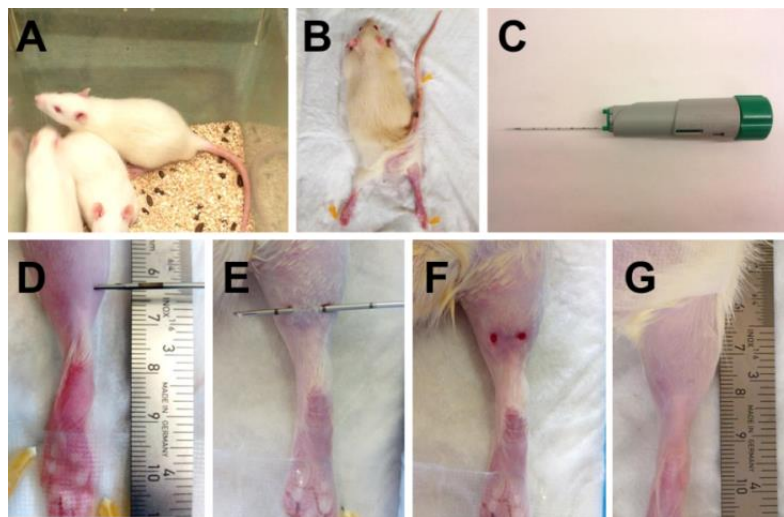
nTRACK aims to develop a safe, scalable and highly sensitive multimodal cell nano-imaging agent ready for first-in-humans cell tracking and assessment of stem cell therapy effectiveness on muscle regeneration

Multimodal nanoparticles  
for stem cell tracking



# MUSCLE INJURY: Large Animal model

In the context of nTRACK we are scaling the skeletal muscle injury model generated in rats to large animals (sheep model)



- Utilization of animal models imitating human pathologies for the testing of new treatments
- Translate to large animal models as a prior step to start clinical trials

**Rabbit**



**Sheep**

