

DIIVERSA

DRUG DELIVERY MADE
SIMPLE

ELEVATE YOUR RESEARCH WITH DIVERSA'S NANOTECHNOLOGY



DIVERSA is a biotech company promoting the transfer to the clinic of new therapeutic molecules through the application of their patented drug delivery nanotechnology.



Established in 2022



5-10 employees



Located in Spain



Drug delivery solutions



María de la Fuente, PhD, MBA
Co-founder & CEO/CSO



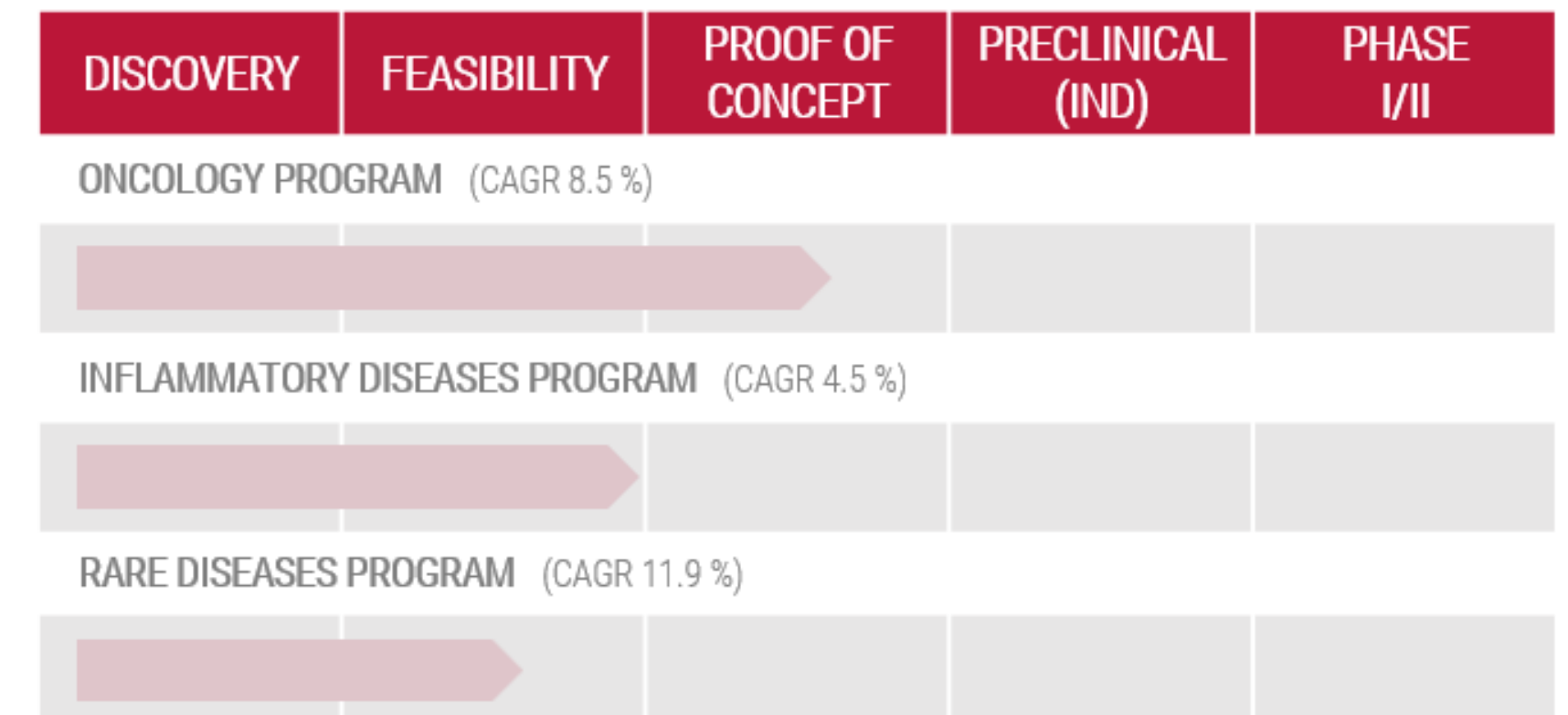
Abi Judit Vázquez, PhD
Co-founder & COO



Rafael Lopez, MD, PhD
Co-founder & Clinical Advisor

Spin-off from the public healthcare system of Galicia (SERGAS/IDIS). Co-founder team with recognized expertise in nanomedicine, oncology, molecular biology, and tech transfer.

OUR VALUES



“ We are an R&D company that specializes in lipid nanoemulsions, highly biocompatible and efficient to improve the delivery of APIs and biomolecules, including RNAs.

We are committed to **enhancing the quality of patients' lives** by developing **groundbreaking nanomedicines that address unmet medical needs**. Our focus is closely aligned with the principles of **precision medicine**, highlighting personalized treatment approaches. With our expertise primarily in oncology and rare diseases, our robust research and development efforts continuously expand the frontiers of therapeutic possibilities

THE ^{EE}_{EE} HEART OF EFFECTIVE DELIVERY

WE TARGET SPECIFIC ISSUES

The goal to transform lives with effective treatments is challenged by different particularities that we try to tackle.

Stability and solubility

Issue: Poor stability and solubility limitations restrict the administration of labile and hydrophobic molecules.

Factors: Barriers preventing the translation of innovative and potent molecules into clinical use.

Safety

Issue: Balance between therapeutic efficacy and potential side effects.

Concerns: Unintended consequences, toxicity and allergic reactions.

Scalability

Issue: Translating lab success to real-world production.

Hurdles: Consistent quality and regulations.

10 YEARS OF R&D HAVE LED US TO THE SOLUTION:

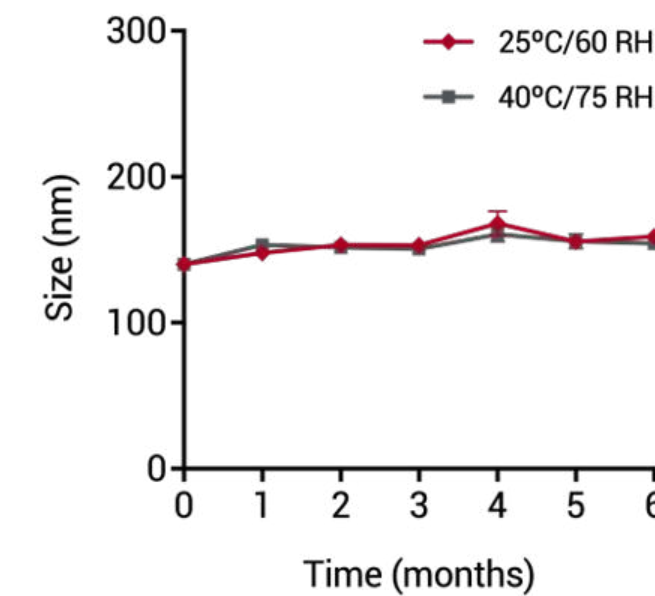
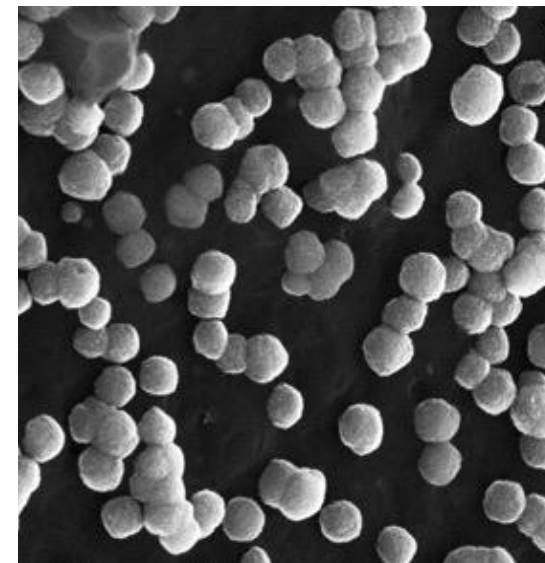
Lipid nanoemulsions

Lipid nanoemulsions offer solutions to major drug development challenges, bridging the gap between lab promise and real-world efficacy.

- ✓ Enhanced drug solubility.
- ✓ Protects from degradation.
- ✓ Facilitates targeted delivery.
- ✓ Intracellular delivery.
- ✓ Scalable technology.

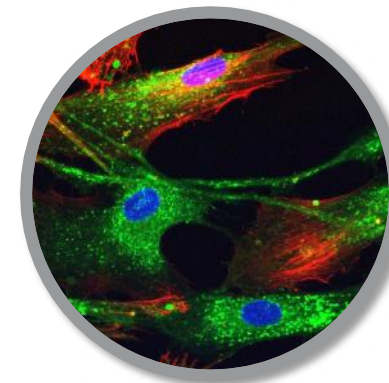
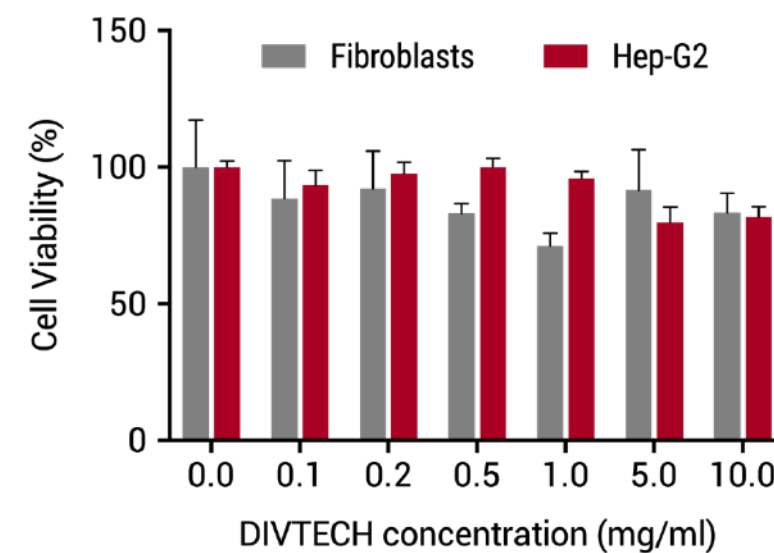
DIVERSA'S UNIQUE SOLUTION

Stable and safe-by-design

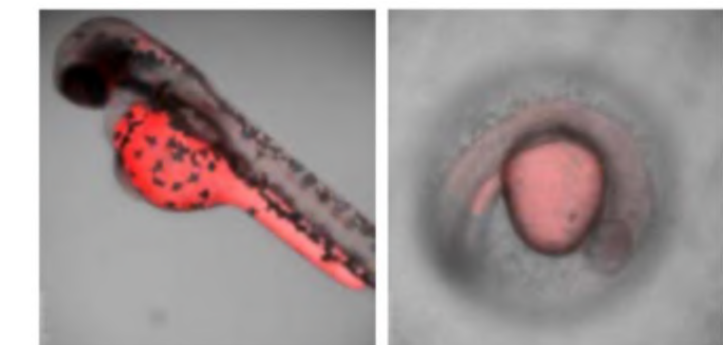
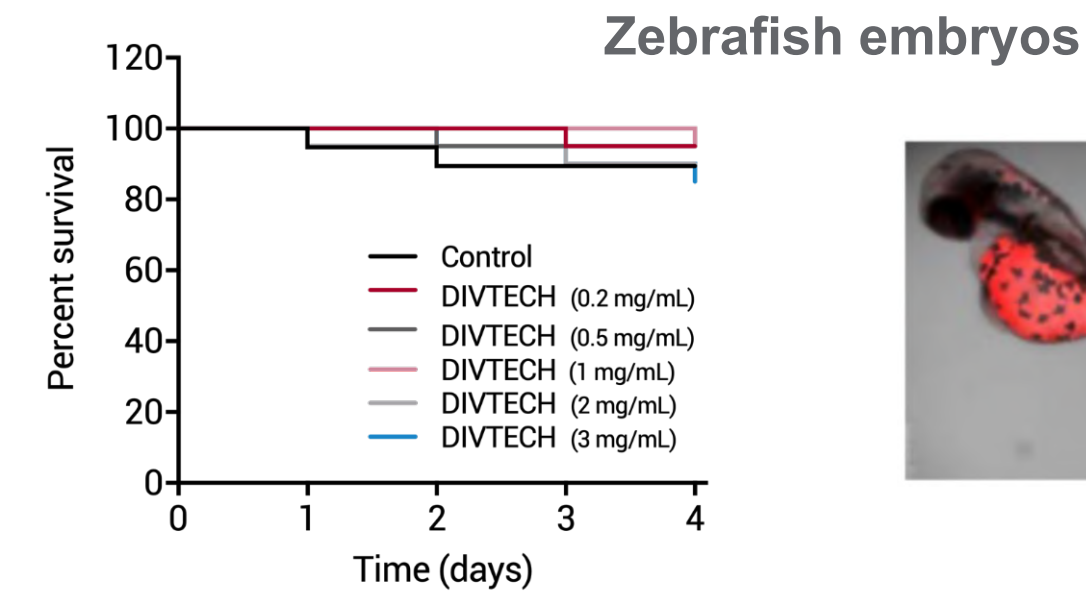
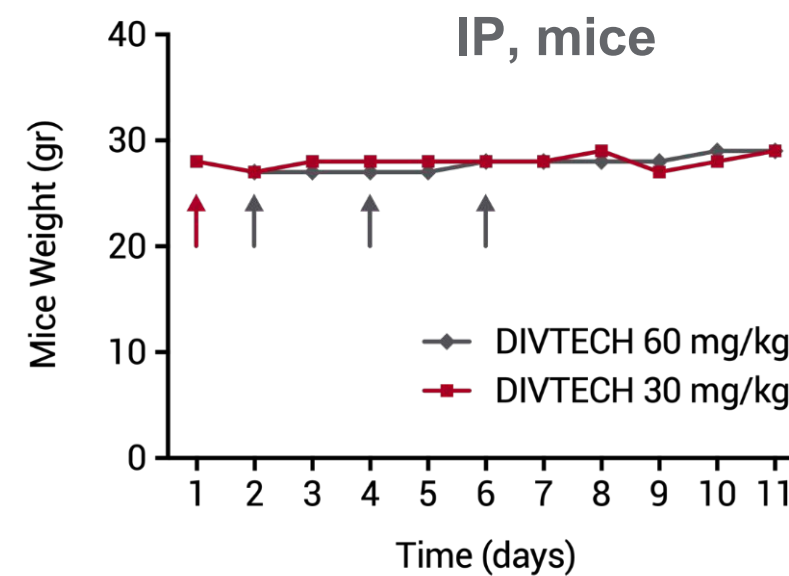


Biological fluids	DIVTECH
Human plasma	24 h*
Simulated tear fluid	24 h*
Simulated synovial fluid	24 h*
Simulated gastric fluid	6 h
Simulated intestinal fluid (SIF)	4 h
Fed state SIF	4 h
Fasted state SIF	24 h*

- DIVERSA's nanoemulsions are observed under electronic microscope. **ICH stability** studies showed our technology is highly stable. Stability studies in relevant biological fluids confirm potential for different administration routes.



Fibroblasts

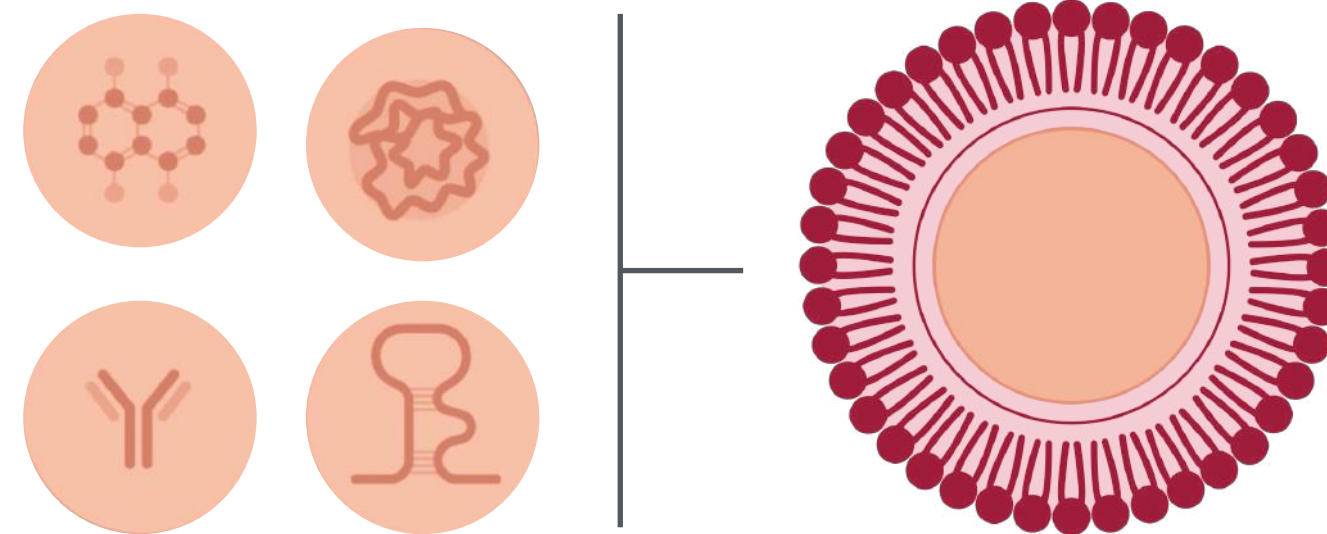


- DIVERSA's technology is biocompatible, as confirmed *in vitro* (immortalized and primary cells) and *in vivo* (mice, rats, and zebrafish embryos). The main components of our nanosystems have been already approved by regulatory agencies in other pharmaceutical and cosmetic products, in established administration routes.

DIVERSA'S UNIQUE SOLUTION

A versatile technology

Molecules	Association efficiency
Small molecules	85-99%
Peptides	70-99%
Proteins	70-99%
DNA/RNA	85-99%

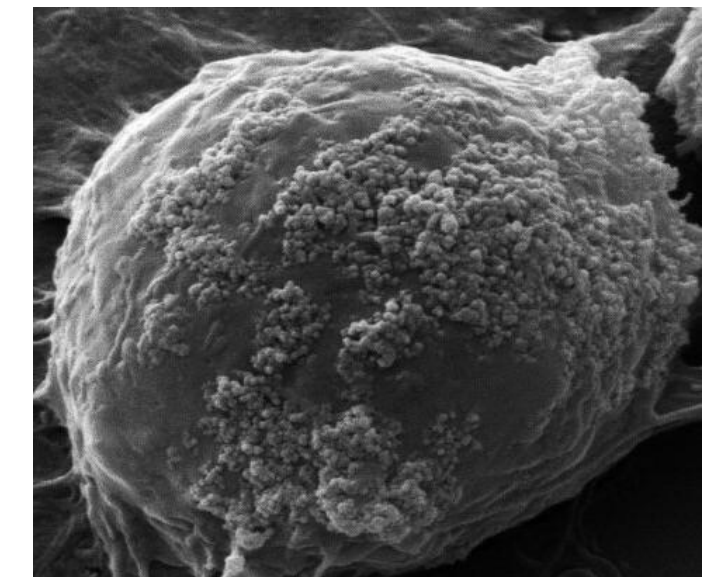


“ DIVERSA’s technology can be adapted for the efficient association of different types of molecules, such as **hydrophobic or amphiphilic molecules, peptides, proteins and oligonucleotides** (pDNA, mRNA, aptamers, miRNA, siRNA), and combinations.

We adapt the technology to a **broad spectrum of therapeutic molecules**, catering to diverse research needs.

Furthermore,

- **Modifiability for Precision:** Our technology ensures improved biodistribution, optimizing delivery to the intended targets and minimizing unwanted side effects.
- **Targeted Delivery:** With ligand decoration, we enhance specificity, guiding therapeutic agents directly to the desired tissues and cells.
- **Scalable:** It can be easily scaled up with simple industrial homogenization process. We are collaborating with CDMOs that can manufacture the formulations under GMP regulations.
- Together, DIVERSA blends precision, adaptability, and specificity, setting a new standard in therapeutic delivery.



WHAT WE OFFER



Optimization

Leveraging lipid nanoemulsions for safe and efficient intracellular delivery of complex macromolecules, including peptides, small molecules, proteins, and nucleic acids.

Collaborative Power

Partnering with global pioneers to bridge the gap between drug discovery and clinical application.

Innovative Spirit

With a strong IP protection, our scalable technology adheres to regulatory standards, aiming to enhance patients' quality of life.

They already trust **DIVERSA**:



Patent granted in Europe. Patent n°.: WO2019138139A1 "Nanosystem as selective vehicles"

COLLABORATION MADE SIMPLE



Transparent ties: We are a small team, prioritizing clear and effective communication with our partners.

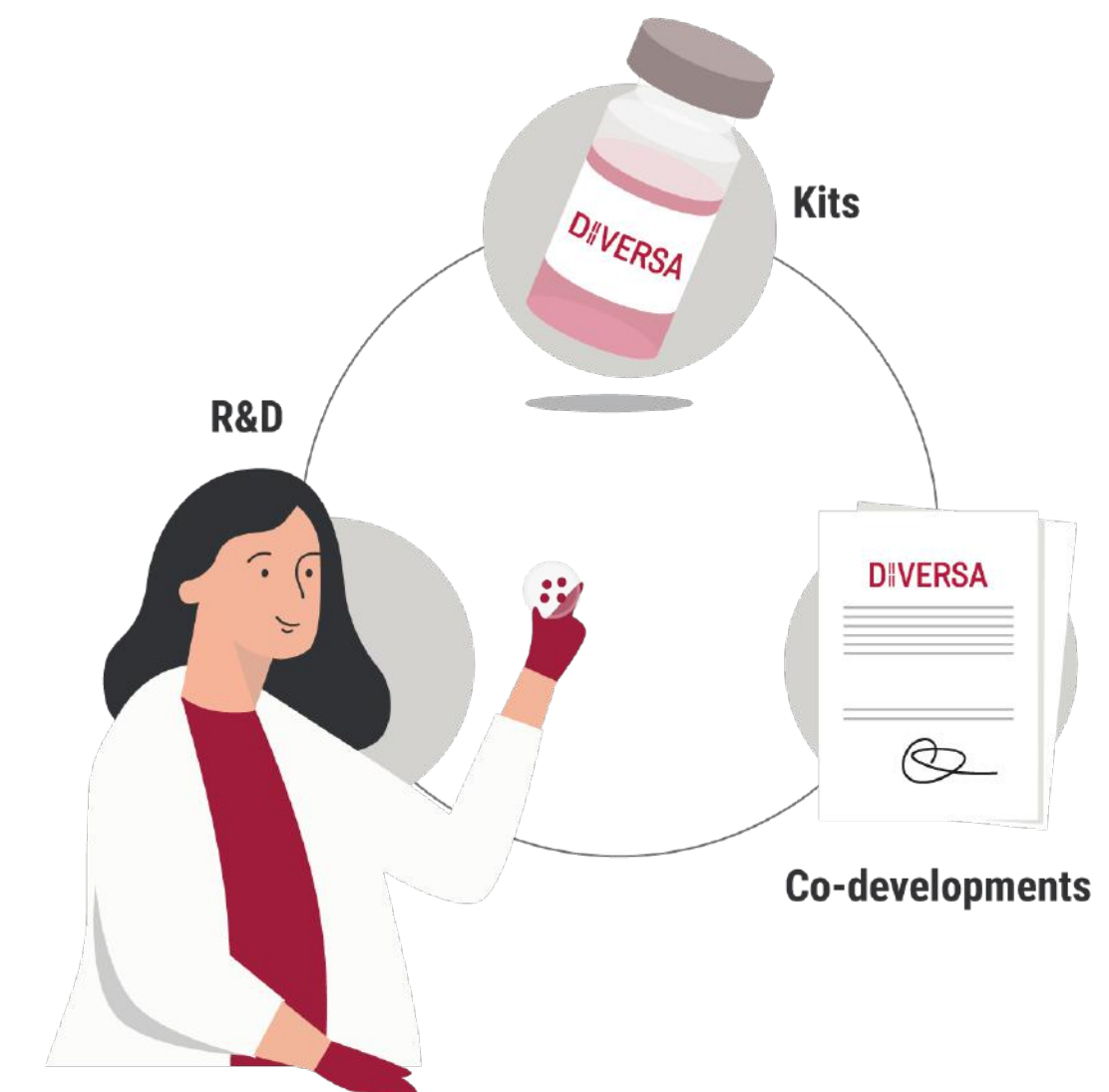
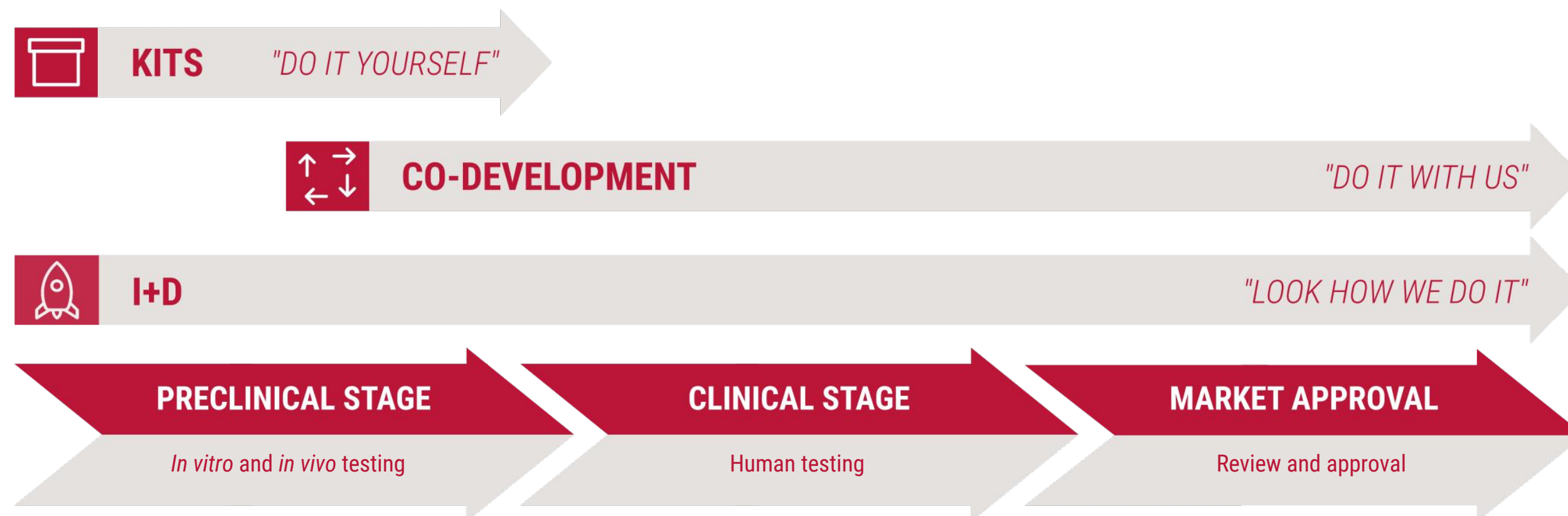


Consistent outcomes: We rely on already proven methodologies with our partners for repeatable success



Several Opportunities to collaborate: Explore diverse collaboration models.

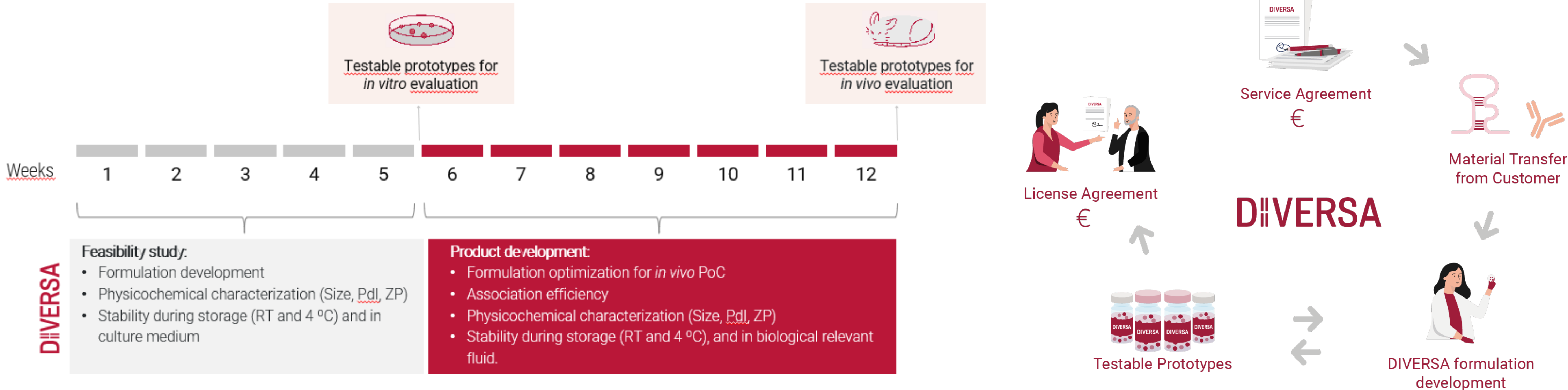
Our business model:



EMPOWERING DRUG DISCOVERY AND DEVELOPMENT

Let's join forces to transform exceptional therapeutic molecules into groundbreaking nanomedines. Leverage our proprietary delivery technology to precisely target your therapeutic areas of interest.

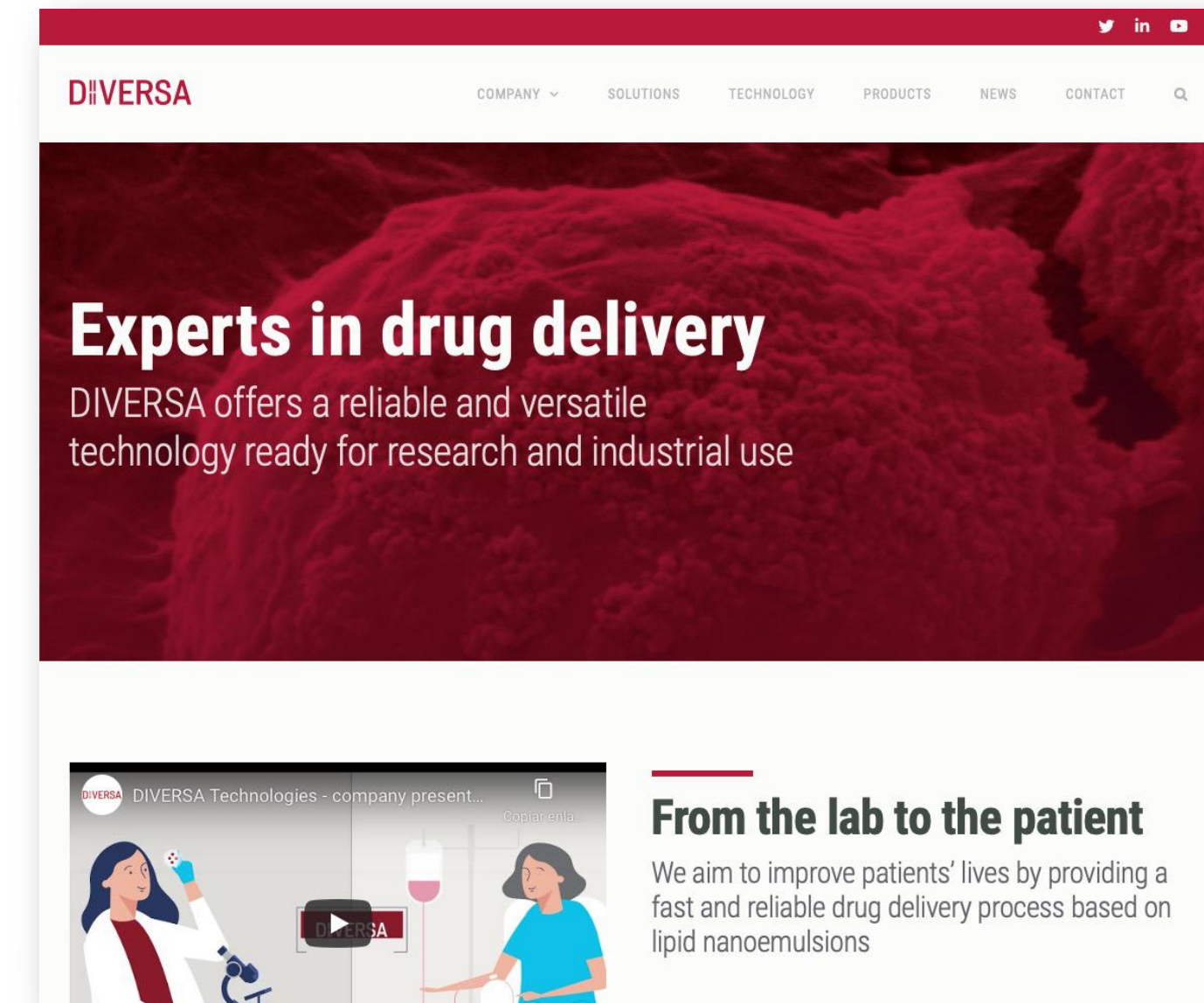
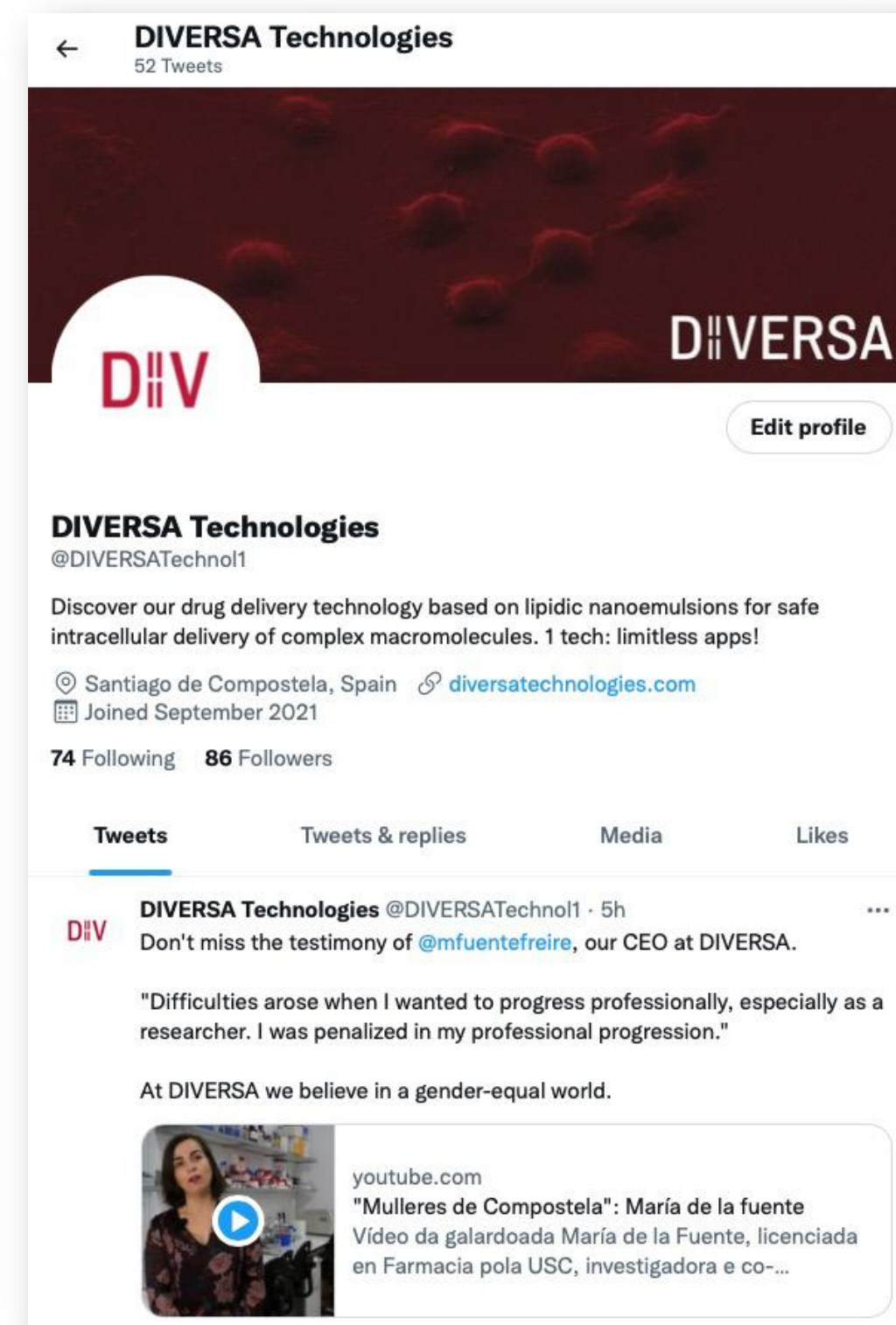
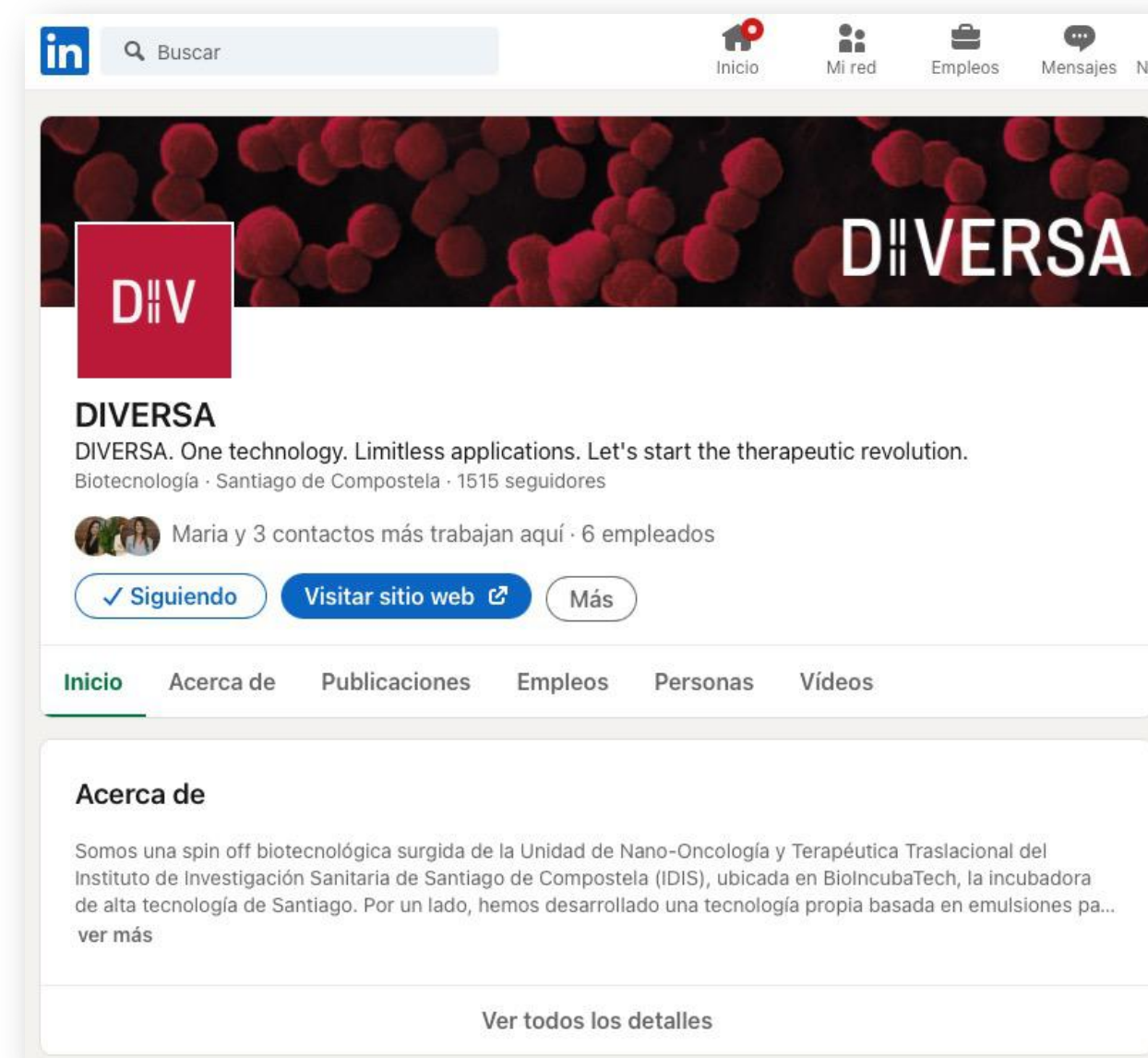
Bring your drug development challenges and let's co-create a tailored solution for your molecule



LET'S SHAPE THE FUTURE

Let's talk and collaborate to discover transformative solutions and redefine the boundaries of your project.

info@diversatechnologies.com



The background is a dark red, textured surface with a faint, glowing map of the world. The map is centered and shows the continents in a lighter shade of red, with some internal details like city grids or road networks. The overall effect is a high-contrast, monochromatic design.

DIVERSA