

Biological Nanostructured Platforms for the Exposure of Foreign Antigens

About the invention

The invention relates to novel biological nanostructures that can be used as drug delivery vehicles, precisely delivering active substances to specific tissues or cells, and used for the development of next-generation therapeutics based on biological molecules, such as proteins or peptides, which can be used to **treat autoimmune, metabolic or oncological diseases**.

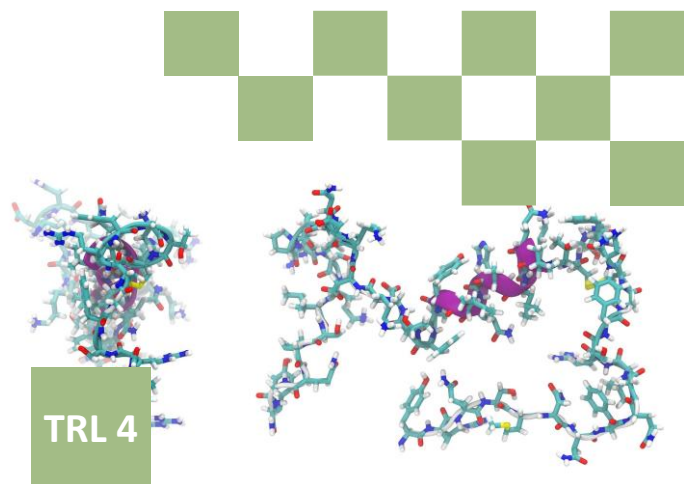
The invention lays the foundation for the development of innovative therapies, combining advances in biotechnology and nanotechnology.

The invention solves key problems of modern medicine and biotechnology, such as the low efficacy of therapies, difficulties in producing high-quality biological materials, limitations in tissue regeneration and the need for the development of innovative gene therapies, vaccines and drugs.

This is the foundation for further advances in disease treatment, diagnostics and the development of personalized therapies.

The invention also entails **economic and environmental benefits**:

- reduction of production costs: production more cost-effective and easier to scale up than traditional methods.
- reduction of biological waste: the amount of materials used and the need to repeat production processes is reduced.



Research Team

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IP protection

The invention is protected by
Polish patent no. Pat.245753

Cooperation opportunities

- Licence
- Sale of property rights
- Partnerships for further research and commercialisation

Adressed sectors

- Medicine
- Pharmaceutical industry
- Veterinary