

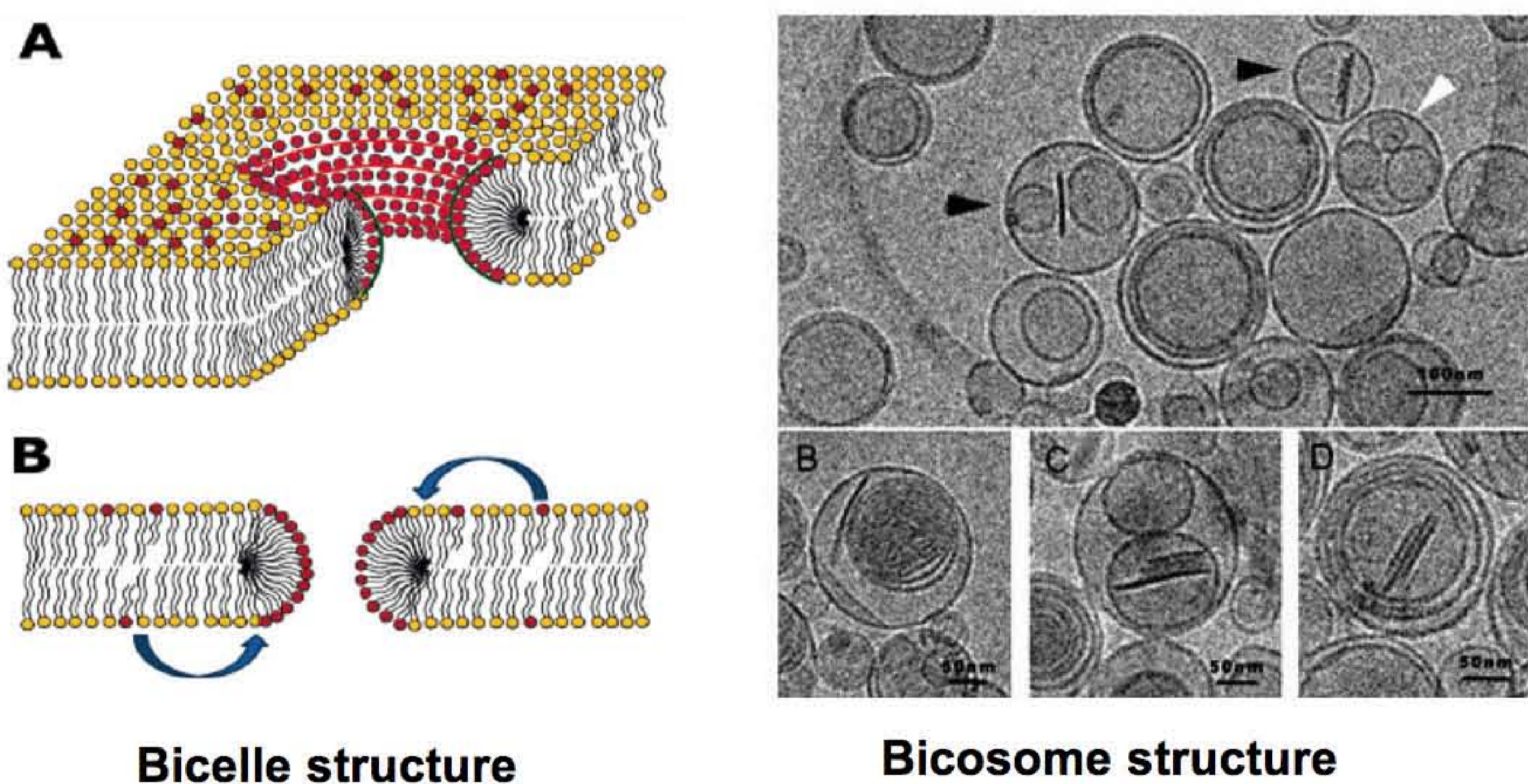


The Institute for Advanced Chemistry of Catalonia (IQAC) is a research center belonging to the Consejo Superior de Investigaciones Científicas (CSIC). The Institute was created to do research of excellence focused on basic chemical sciences, but also addressed to solve specific problems of our society by using tools from the chemistry-biology interface, theoretical chemistry, chemical and biomolecular nanotechnology and sustainable chemistry.

In addition, IQAC has a set of scientific and technological services addressed to fulfil the needs of its scientific groups, but also to attend users from elsewhere. Among these services, it can be mentioned: Organic microanalysis, Thermal analysis and calorimetry, Skin absorption, SAXS-WAXS, Characterisation of colloidal dispersions, Spectroscopy, Custom Antibodies Service (CAS) and Synthesis of High Added Value Molecules.

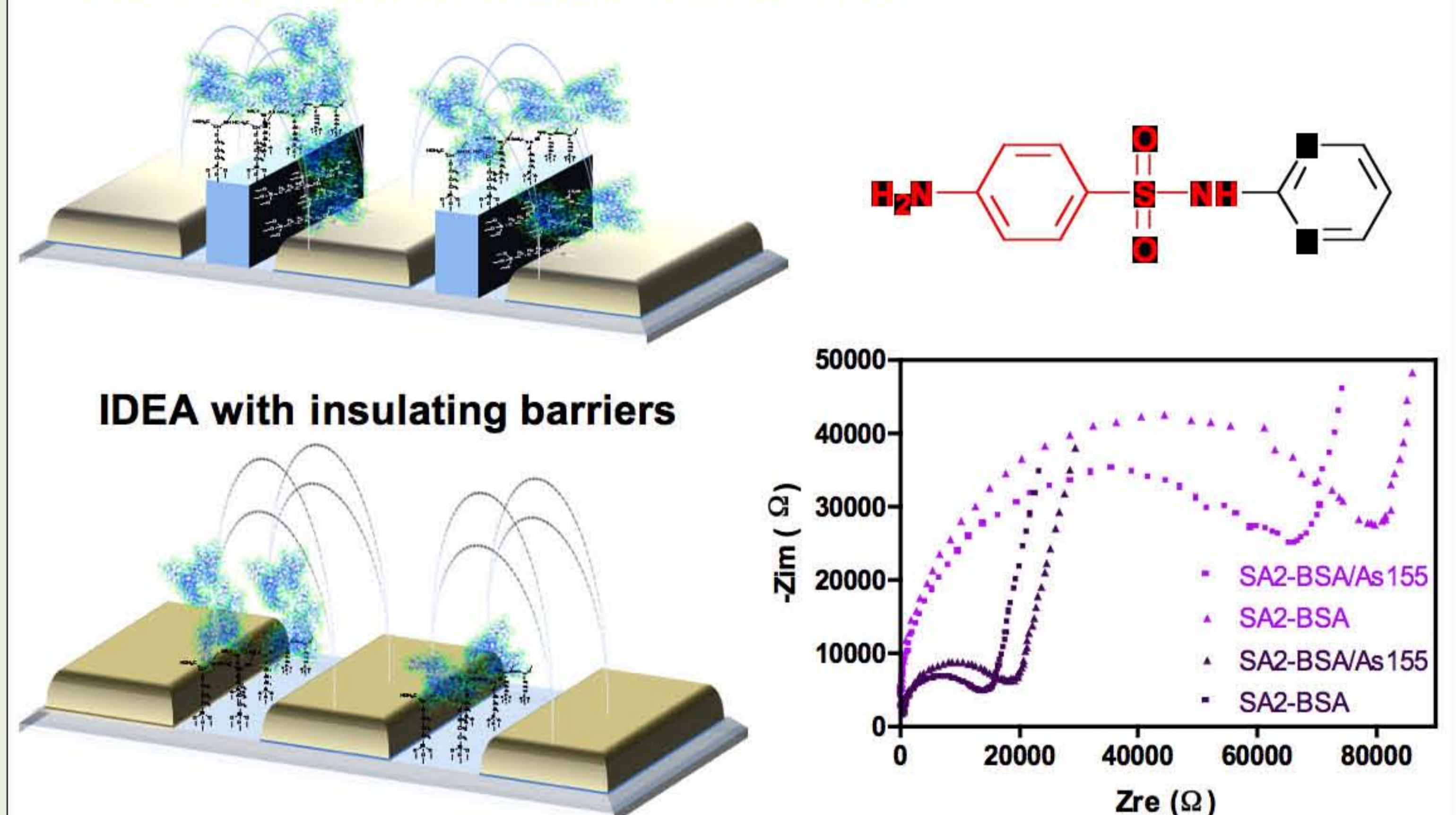
The transfer of technology to the private sector, the training of young students and the dissemination of our work to the community will be subjects of permanent attention.

Bicosomes: bicelles encapsulated in liposomes



Delivery and permeabilization of drugs for systemic application or cosmetic use
P201030298

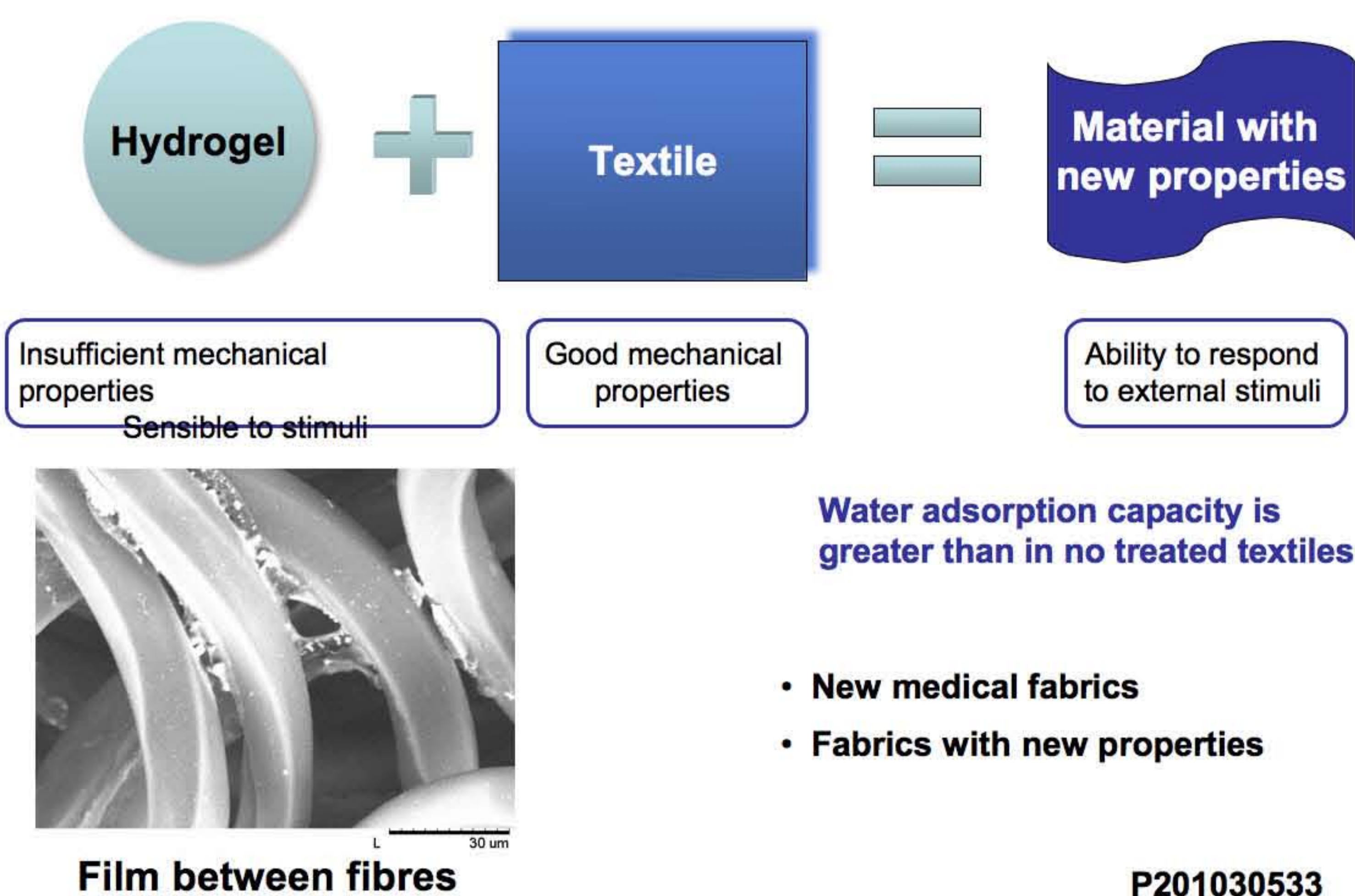
Improved Impedimetric Label-Free Immunosensor using a Three-Dimensional IDEA Transducer



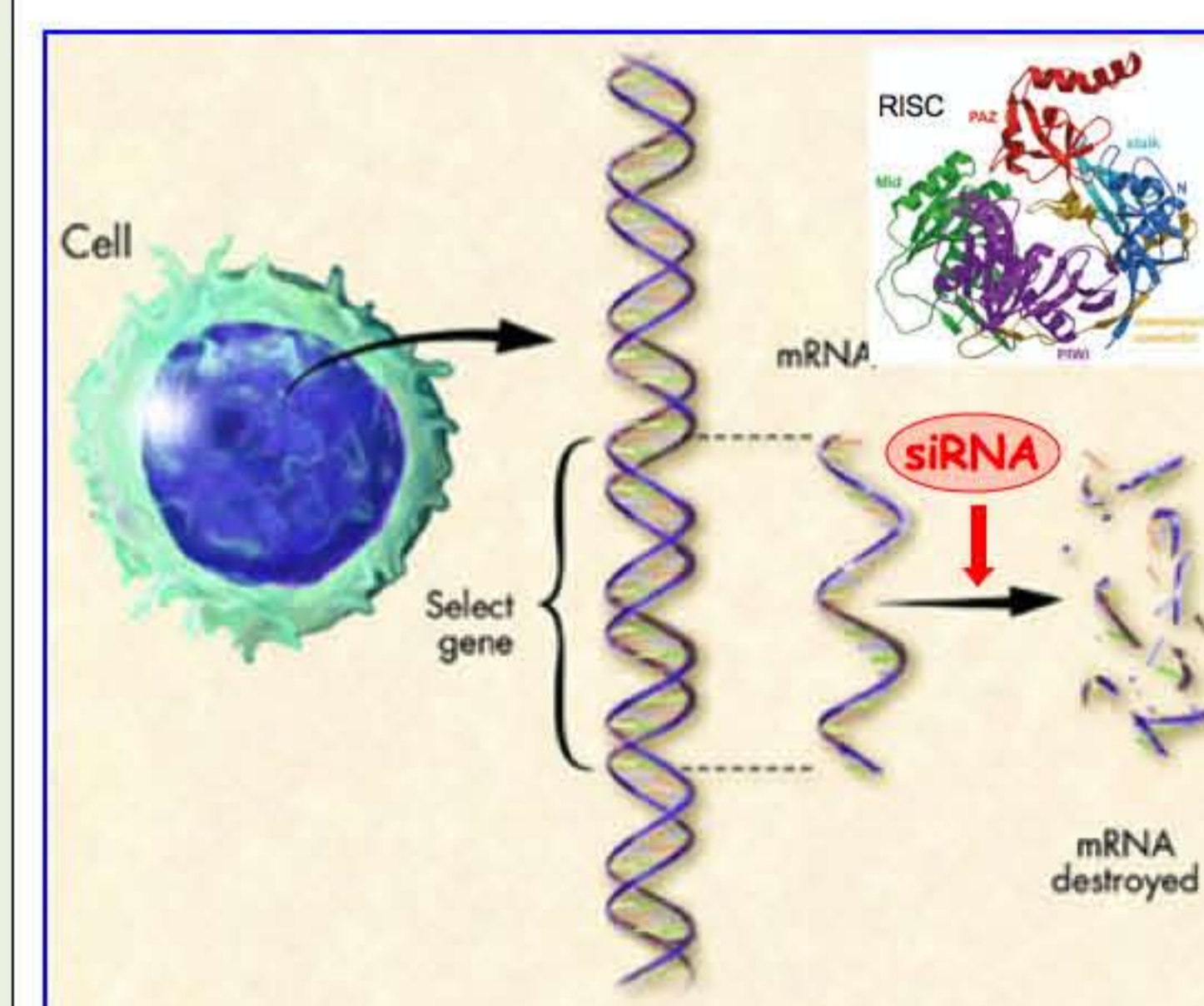
Planar IDEA

• WO2008139016
• P200931164

Textile fabrics that contain hydrogels



Modified siRNA for silencing TNF- α gene expression in the treatment of inflammatory diseases



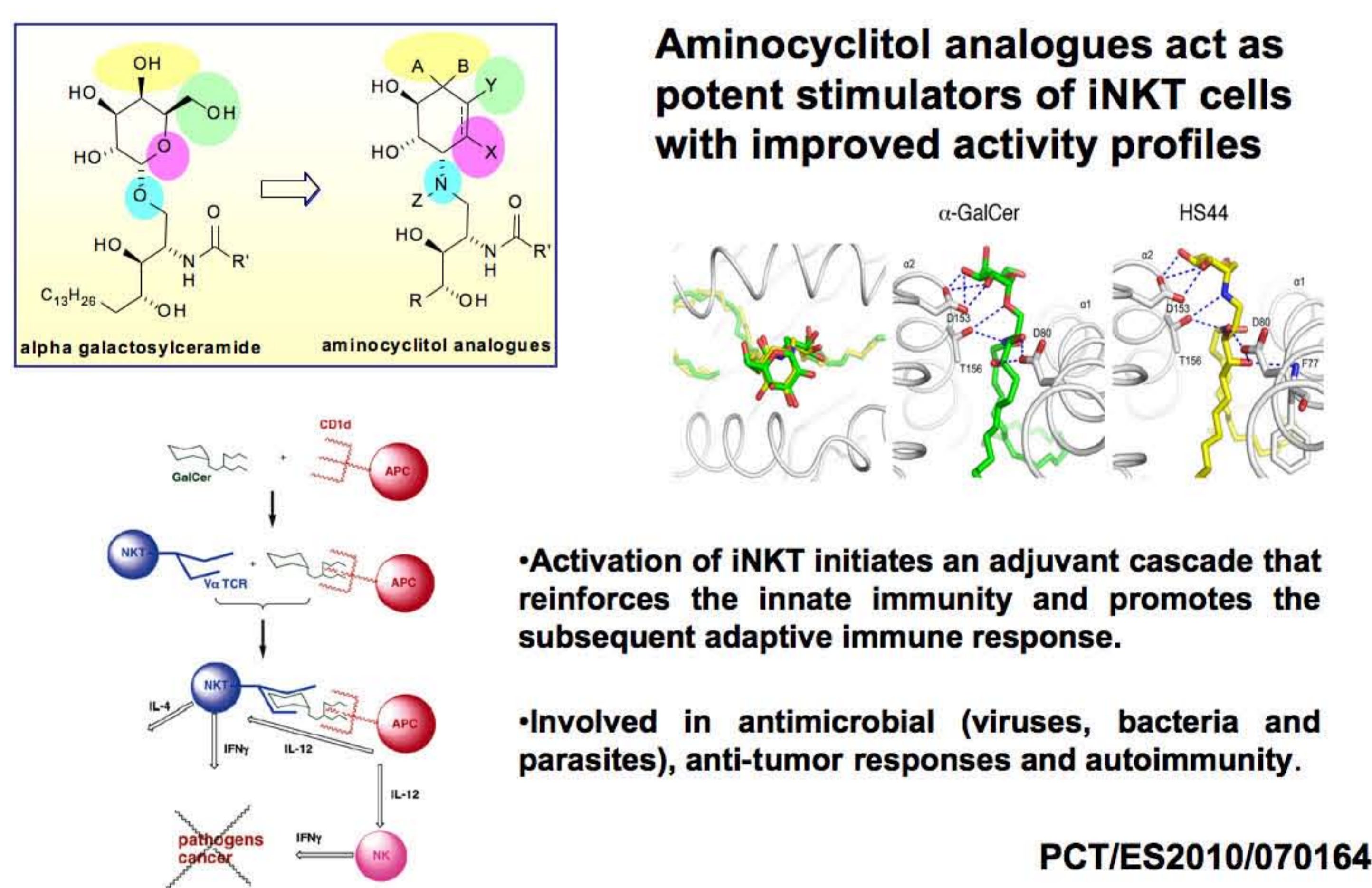
siRNA chemically modified

- High inhibitory activity
- No unspecified stimulation of immune response
- Improved entry into cells

Degradation of mRNA
No protein expression

• P201031622
• P201030611
• P201030614
• P201030629

Aminocyclitol analogues of α -GalCer as modulators of the immune response and vaccine adjuvants



www.iqac.csic.es

For further information please contact

isabel.masip@iqac.csic.es

