

# Spin-off companies from the IRC

- [ActoGeniX](#)
- [Q-Biologicals](#)
- [Oxyrane Belgium](#)

Three spin-off companies were created over the past years on the basis of previous research in the IRC.

## ActoGeniX (created in 2006)

[ActoGeniX](#) exploits the proprietary TopAct platform for oral delivery of biopharmaceuticals. The company is developing a diverse portfolio of therapeutic products addressing major diseases with a high medical need, including gastrointestinal diseases, auto-immunity, allergy and metabolic disease. ActoGeniX initial focus is on gastrointestinal diseases and its lead product has already been successfully tested in a clinical trial with Crohn's Disease patients.

Based on technology developed in the IRC for the use of *Lactococcus lactis* as a vehicle for therapeutical protein delivery in the gut.

- [Publications](#) from the former IRC unit of Applied Molecular Bacteriology, headed by Erik Remaut
- Key papers:
  - Braat, H, Rottiers, P, Hommes, DW, Huyghebaert, N, Remaut, E, Remon, JP, van Deventer, SJ, Neirynck, S, Peppelenbosch, MP, Steidler, L.  
**A phase I trial with transgenic bacteria expressing Interleukin-10 in Crohn's disease**  
Clin Gastroenterol Hepatol 4, 754-759, 2006.
  - Steidler, L, Neirynck, S, Huyghebaert, N, Snoeck, V, Vermeire, A, Goddeeris, B, Cox, E, Remon, JP, Remaut, E.  
**Biological containment of genetically modified Lactococcus lactis for intestinal delivery of human interleukin 10**  
Nat Biotechnol 21, 785-789, 2003.
  - Steidler, L, Hans, W, Schotte, L, Neirynck, S, Obermeier, F, Falk, W, Fiers, W, Remaut, E.  
**Treatment of murine colitis by Lactococcus lactis secreting interleukin-10**  
Science 289, 1352-1355, 2000.

## Oxyrane Belgium (created in 2008)

Oxyrane logo

[Oxyrane Belgium](#) ...(to be completed)

## Q-Biologicals (created in 2011)

[Q-Biologicals](#) ...(to be completed)