

# Farmaceutical Innovations

## Company Profile

Farmaceutical Innovations is a new business venture business based in Caergybi, Anglesey. A limited company formed in August 2011, they target three areas of the phytochemical sector including: process development, supply, and toll extraction.



Farmaceutical Innovations have undertaken studies in economic optimization and process improvements to enhance the environmental impact and overall economic performance of their business. They aim to provide their clients with the skills and resources required to rapidly improve their production line, adding value to the entire process.

## Collaborating with BEACON

Kevin Wall, director of Pharmaceutical Innovations, initially learnt of the BEACON project through a previous A4B collaboration at Bangor University.

Kevin's primary concern for one project was to establish the potential for using screwpress equipment to pre-treat daffodil biomass as part of a process to extract alkaloids including Galanthamine - which is known for its treatment of Alzheimer's disease. Having previously considered a wide range of solutions, Kevin approached BEACON to develop a collaboration focussed primarily around the process optimization of daffodil bulbs.

During trials using the pilot-scale process equipment, BEACON was able to identify suitable solutions to the current daffodil processing problems. The trials conducted demonstrated that the equipment and systems used, will be more than suitable for the processing of daffodil biomass. As a result, the company are in a better position to correctly specify their equipment and technical specification when they next consider their procurement requirements.

*“ The project is well equipped and has a wide range of specialists who are able to bring a wide range of knowledge and experience to help solve the problem ”*

**Kevin Wall - Director**

Ultimately the trials undertaken at BEACON have saved the business time and money by eliminating the high costs associated with major scientific development work. Pharmaceutical Innovations are currently discussing with BEACON the prospect of further collaborations for some of their new projects.



For more information: [www.farmaceuticals.biz/](http://www.farmaceuticals.biz/)