

Working group: Product Isolation and Purification

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Goal of the Working group on Downstream Processing

The goal of the working group Downstream Processing (Product isolatie en Zuivering) is to keep the members up to date with novel (inter) national activities in the area of separation technologies and exchange information with each other. This can be reached by keeping the website up to date with actual information, symposia, courses, etc. Overall the coordinators of this working group are always open to new suggestions to improve the goals of the working group Downstream Processing. In contrast to other years there was only a single activity where the work group contributed.

NBC-16, Next Level Biotechnology

On April 14th, Jeroen den Hollander chaired the work parallel session on product isolation of NBC-16. In this session three novel isolation technologies were discussed. Kirsten Steinbusch (Delft

Advanced Biorenewables) presented a reactor applying gas bubble induced oil recovery, an in-situ product recovery method for oil product fermentation. Gerard 't Lam and Richard Postma, both from Wageningen University of technology both discussed the application of algae. Gerard discussed flocculation technologies in salty matrices to induce algae flocculation for enhanced biomass recovery. Richard presented methodologies to recover proteins from these algae.

Forecast 2017

In 2017, the work group will replace part of the work group leaders by more junior colleagues in our field. We will combine this with the organization of at least one, but hopefully two, mini-symposia and our contribution to NBV-17.