

**P009** Multiple Parallel Protein Supply (MPPS) in practise  
**Eelco Docter**  
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Global Protein Science and Supply provides the AstraZeneca Discovery organisation with recombinant proteins and develops the scientific and technical capabilities in this area. The overall objective of the MPPS project was to improve the throughput and success rates of protein supply for screening and structural biology, by putting together platforms to increase throughput in sub-cloning, expression in different host cells, purification and analysis. Improvements in the speed and success rates will impact on the drug discovery process from target identification through to lead optimisation activities.

Here we report on some current expression examples using the in-house developed MPPS methods. The data presented, clearly demonstrates the value of a multiple parallel approach to rapidly identify the best construct and expression parameters for a particular recombinant protein.