

**Optimize R&D workflows by integrating PAT and autosampling solutions
with advanced software solutions**

Matthijs Niemeijer
Applikon Biotechnology B.V.
m.niemeijer@applikon-biotechnology.com

Matthijs Niemeijer M.Sc Biography

As Product Manager, Matthijs Niemeijer is responsible for ensuring that the product portfolio of Applikon Biotechnology meets the current user needs in the Life Sciences market. He is the voice of the customer within Applikon Biotechnology in which he works in multidisciplinary teams with engineers to innovate new and current products based on current and future market trends. His product portfolio consists of Applikon Bioreactor Cultivation Systems and Process Control Solutions for R&D applications and integration of these with software packages and sensor technologies. Matthijs graduated in Life Science and Technology from the Delft University of Technology in the Netherlands.

Abstract

With the growing need in laboratory bioprocessing applications for performing more experiments in less time, with less researchers and with less bench space, parallel processing and process automation becomes more and more important to fulfil these needs. Applikon Biotechnology acts as a full solution integrator that mixes & matches different bioreactor technologies that enable researchers to generate reproducible and scalable data on a small scale with an optimized workflow.

Several use cases and application examples will show how researchers can optimize their R&D workflows. Microbioreactor solutions can optimize screening studies at small scale, while integration of PAT and autosamplers in parallel processes will further optimize researcher's time, reduce risks & errors. Combining this with advanced software solutions will allow researchers to easily get more information out of the generated data.