

ESBES – ACS BIOT COVID19 Webinar series

Speaker: Jürgen Mairhofer, PhD
CEO and Co-founder of enGenes Biotech

Title:

Plasmid DNA production is not everything – but everything is nothing without high-quality plasmid DNA

Abstract:

The global demand for plasmid DNA (pDNA) is on the rise. This upward trend is driven by the advent of cell and gene therapy and the COVID-19 pandemic. Whether it is cell and gene therapy applications or COVID-19 vaccines (mRNA- or vector-based), all of them rely, at some point, in either their manufacture or mode-of-action on the scalable, high-quality production of pDNA.

Within this talk, I will highlight 1) the bioprocess engineering issues faced when producing pDNA at large scale, 2) address the entry point of pDNA for the various applications, and 3) initiate discussion on the supply chain issues that arise from high pDNA demands.