

# Developing a toolkit to engineer viral vector manufacturing and next generation gene therapies

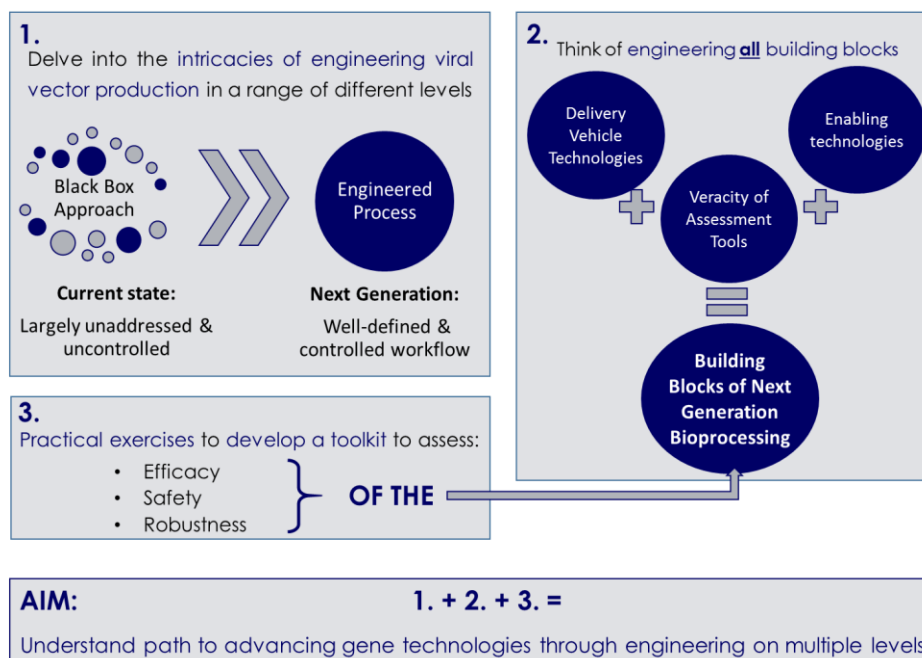
Sunday, January 27, 2019

**Fernanda Masri**, Technology Expert for Regenerative Medicine, Sartorius Stedim

**Michael Greene**, Bio-Process Development Senior Investigator, Novartis Institutes for Biomedical Research

Following the success of the previous two, fully subscribed, pre-conference one-day workshops, we are organizing the third workshop at the 6th Engineering Conference International (ECI) Advancing Manufacture of Cell and Gene Therapies VI. With attendance limited to 50-60 participants, make sure to book your place early to avoid disappointment.

By attending this workshop, you will identify critical process parameters (CPP) and understand the challenges faced in assessing key process indicators (KPI) during manufacturing of viral vectors. Through group work based on real-case studies, you will develop a framework that will allow you to assess any building block of viral vector manufacturing in view of advancing gene technologies. You will also get to discuss some of the most common issues faced during vector design and ingenious ways these have been addressed. Take this opportunity to learn from, and engage with some of the key opinion leaders in the gene therapy space.



## Draft Agenda – Sunday, January 27, 2019

9.00 am - 9.30 am	Registration and coffee
9.30 am - 12.45 pm	<p><b>Session 1:</b> <i>Challenges and potential solutions for processing of viral vectors (Talks 20min +10min Q&amp;A)</i></p> <ul style="list-style-type: none"><li>• 9.30-10.00: <i>Talk 1:</i> Viral Vector workflow overview: From construct to USP to DSP</li><li>• 10.00-10.30: <i>Talk 2:</i> Insights into adeno-associated virus processing</li><li>• 10.30-11.00: <i>Talk 3:</i> Insights into lentivirus processing</li></ul>
11.00 am - 11.20 am	Coffee break
11.20 am - 12.45 pm	Activity: Assessing the impact of process related decisions on manufacturability of viral vectors
12.45 pm - 13.30 pm	Lunch & Networking
13.30 pm -17.00 pm	<b>Session 2:</b> <i>Next generation gene therapies: Proposed solutions to current problems</i>
13.30 pm - 14.15 pm	Keynote 1: Introducing key problems faced by current gene therapies and examples of some creative solutions
14.15 pm - 17.00 pm	Activity: Each group will be moderated by an expert who will propose a common problem with current gene therapies. The moderator will help the group discuss creative solutions for next generation gene therapies.