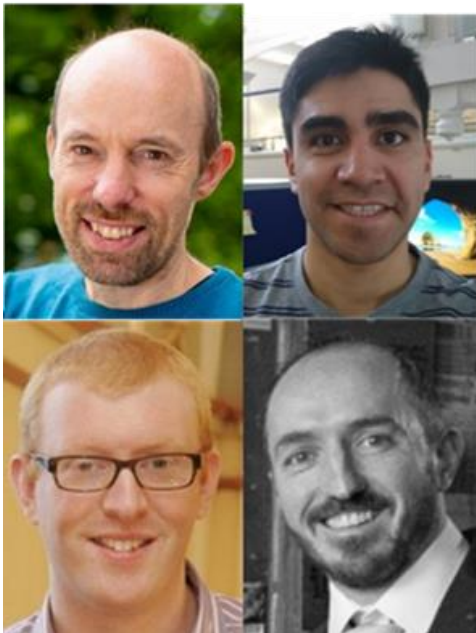**Application of Digital Twins and Advanced Process Control to Improve Manufacture of Targeted Healthcare Products**

Tuesday 16th June 2020, 14:00-15:00
This webinar will provide a brief summary of current and future process control applications within the Hub. In addition, a case study will be presented illustrating the benefits that have been realised through the application of these technologies in other industries. The webinar will finish with a discussion of how best to implement these tools within the Hub's user community.

14:00 Welcome and Introduction *(Session Chair)*
Prof Barry Lennox
Hub Investigator, University of Manchester

14:05 Use of Multivariate Statistics to Improve Understanding of Cell-Free Synthesis and T-cell expansion
Dr Carlos Alberto Duran Villalobos
Hub Researcher, University of Manchester

14:20 Model Predictive Control for a Batch Crystallisation Process – A Digital Design Approach
Dr Matthew McEwan
Principal Engineer, Perceptive Engineering Ltd

14:35 Digital Plans in the Future Targeted Healthcare Manufacturing Hub
Dr Stephen Goldrick
Hub Investigator, University College London

14:45 Questions & Discussion

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