



CERTIFICATE

2021 BEST PAPER AWARDS

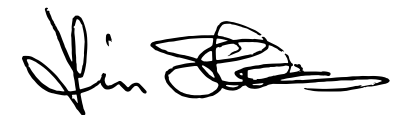
Steffen Zobel-Roos, Axel Schmidt, Fabian Mestmäcker, Mourad Mouellef,

Maximilian Huter, Lukas Uhlenbrock, Martin Konnecki, Lara Lohmann,

Reinhard Ditz and Jochen Strube

"Accelerating Biologics Manufacturing by Modeling or: Is Approval under the QbD and PAT Approaches Demanded by Authorities Acceptable without a Digital-Twin?"

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