

Lab Digitalization: Paving the Way for the Next Generation of Synthesis

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Lab digitalization has the potential to revolutionize the field of chemical synthesis. In our presentation, we will address the challenges of implementing digitalization within an organization where the existing infrastructure is not always "digital-ready". We will explore strategies to identify impactful low-hanging fruits among the numerous opportunities such an environment offers, and discuss some examples in detail. By showcasing the benefits of digitalization, including improved data quality, enhanced automation, and comprehensive data capture for future use (from efficient data retrieval to machine learning), we aim to demonstrate the important role of lab digitalization in shaping the future of chemical synthesis.