



WAGENINGEN
UNIVERSITY & RESEARCH

Call for
abstracts



1st International Chain Elongation Conference ICEC2020 26-28 October 2020

Connecting Communities

Scope Chain-elongation bioprocesses are part of the carboxylate or waste-biorefinery platforms. Chain elongation is emerging as a pertinent bioprocess within the Circular Economy to recover resources. Microbial chain-elongation processes allow the conversion of numerous (in)organics feedstocks (from C1 compounds onwards) into a variety of fatty acids or carboxylic acids, alcohols, alkanes, and other biochemicals. Currently, organic waste streams are digested into methane, which is typically converted into electric power, or even just flared off. Chain elongation does allow utilization of such waste streams into more valuable products. Various products are formed with diverse properties, which allow numerous applications (e.g. animal feed, antimicrobials, biofuels, platform chemicals). Pioneering research work and the current expansion of chain elongation research is leading towards mature applications. Fundamental research, system analysis, separation technology development, as well as bioprocess engineering is ongoing. Several companies performed pilot tests and are making great progress to scale-up specific chain elongation bioprocesses. We are at an excellent moment in time to bring together the research community to share and connect with the goal to further develop chain elongation into an industrially relevant biotechnology production platform.

First gathering of chain elongation experts Here we call-up scientists, pioneering and established industries, governmental organizations, and other stakeholders that are interested or get connected to the world of chain elongation. With this we like to contribute to the development of an inspiring chain-elongation community.

Key-note speakers



Niels van Stralen
ChainCraft



Associate Prof. Diana Sousa
Lab. of Microbiology WUR



Prof. dr. Mark Holtzapple
Texas A&M University

**Extended abstract
submission deadline
1st July 2020**

Submit via www.icec2020.nl

We kindly invite you to submit your abstract for a 2-day conference. All topics related to chain elongation are welcome: **Biorefinery development & integration in Circular Economy; Bioreactor engineering and bioprocess development; Microbial physiology, pathways, informatics, genetics**

Greetings from the organizing and advisory committee: Assoc. Prof. David Strik, Prof. Largus Angenent, Ass.Prof. Ramon Ganigué, Prof. Cees Buisman