

18TH-20TH OF APRIL 2018

# PROCESS DEVELOPMENT FOR BIOOXIDATIONS WORKSHOP

Organized by Professor John Woodley  
Department of Chemical and Biochemical Engineering  
Technical University of Denmark, Copenhagen

## WORKSHOP DESCRIPTION

The objective of this workshop is to elaborate on biocatalytic process development. In many cases it is useful to assess biocatalytic reactions at a very early stage of development, before a process has been defined. Such assessment guides protein engineering improvements of the enzymes but also enables a quick evaluation of process feasibility. This workshop will describe, and allow hands-on practice at using, so called process metrics determined from laboratory scale experiments. The outcome will be an enzyme and process development plan for a given biocatalytic reaction from which a business case can be developed.

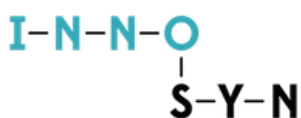
The workshop will involve industrial as well as academic input and participation with plenty of time for discussion and comparison of new technologies and methods.

**REGISTER  
NOW**

Please register until the 26 of March by following the link on 'Register Now'

Contact: Eva Mikkelsen (eva@kt.dtu.dk)

Workshop organized in collaboration with InnoSyn BV  
**FREE REGISTRATION**



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# PROGRAMME

DTU Copenhagen: 11 Km from downtown; 20 Km from CPH International Airport  
Søltofts Plads, Building 229, 2800 Kgs Lyngby, Denmark

## WEDNESDAY, 18 APRIL 2018

- 13:00 Welcome and Lunch
- 14:00 Introduction & Outline
- 14:30 Session 1: Background on Process Development
- 17:00 Session 2: Setting the Stage for Industry Led-goals
- 18:00 Social drink

## THURSDAY, 19 APRIL 2018

- 09:00 Session 3: Find the Metrics
  - Introduction to the case studies
  - Groupwork & Discussion
- 12:00 Lunch
- 13:00 Session 4: The metrics are not good, what can be done?
  - Discussion of the case studies
- 16:00 Session 5: Oxygen Supply to Biooxidations
  - Groupwork
- 19:30 Workshop dinner

## FRIDAY, 20 APRIL 2018

- 09:00 Groupwork presentations on the case studies
- 11:00 Session 6: Reaction Kinetics
- 12:30 Take-home message
- 13:00 Lunch
- 14:00 Optional laboratory tour