

Masterclass Applied Biocatalysis

Zernike Campus Groningen

5-7 April 2017

Preliminary programme

Wednesday 5th April 2017

- 09.30 Registration
- 10.10-10.15 Welcome and opening
- 10.15-11.00 Basic principles of enzymology; **Willem van Berkel**, Wageningen University & Research, NL
- 11.05-11.50 Computational approaches; **Hein Wijma**, University of Groningen, NL
- 12:00-12.30 speed dating
- 12.30-13.45 *Lunch*
- 13.45-14.30 Enzyme production; **Sybe Hartmans**, DSM Delft, NL
- 14.35-15.20 Downstream processing; **Michel Eppink**, Synthron/Wageningen University & Research, NL
- 15.20-15.45 Refreshments
- 15.45-16.30 Enzyme immobilization; **Maurice Franssen**, Wageningen University & Research, NL
- 16.35-17.20 Cross-linked enzyme aggregates; **Sander van Pelt**, CLEA Technologies, NL
- 19.30- *Dinner*

Thursday 6th April 2017

- 09.00-09.45 Redox enzymes; **Marco Fraaije**, University of Groningen, NL
- 09.50-10.35 Glycoside hydrolases; **Marc van der Maarel**, University of Groningen, NL
- 10.35-11.00 *Coffee/tea*
- 11.00-11.45 Protein engineering; **Jan Metske van de Laan**, DSM, NL
- 11.50-12.35 Protein crystallography; **Jan Metske van de Laan**, DSM, NL
- 12.35-13.45 *Lunch*
- 13.45-14.30 Chemoenzymatic and hybrid catalysis; **Ulf Hanefeld**, Delft University of Technology, NL
- 14.35-15.20 Chemoenzymatic and hybrid catalysis; **Ulf Hanefeld**, Delft University of Technology, NL
- 15:20-16:00 Introduction to intellectual property; **Marc van der Maarel**, University of Groningen, NL
- 16:00-16.20 Refreshments
- 16.25-17:30 Applications of enzymes; **John Woodley**, DTU Chemical Engineering, Lyngby, DK
- 19.30- *Dinner*

Friday 7th April 2017

- 09.00-09.45 Enantioselectivity; **Gerrit Poelarends**, University of Groningen, NL
- 9.50-10.35 Promiscuity among enzymes; **Gerrit Poelarends**, University of Groningen, NL
- 10.35-11.00 *Coffee/tea*
- 11.00-11.45 The lab-on-a-chip; **Jan van Hest**, Eindhoven University of Technology, NL
- 11.50-12.35 The lab-on-a-chip/enzyme nanoreactors; **Jan van Hest**, Eindhoven University of Technology, NL
- 12:35-12:40 Final remarks
- 12.45-13.30 *Lunch*