

Programme Masterclass Applied Biocatalysis, 29 April – 1 May 2019, Wageningen University Campus

Monday April 29

9.30	Registration, <i>coffee/tea</i>
10.10-10.15	Welcome and opening
10.15-11.00	Basic principles of enzymology Willem van Berkel WUR
11.05-11.50	Protein crystallography Daan Swarts WUR
12:00-12.30	Speed dating
12.30-13.45	<i>Lunch</i>
13.45-14.30	Redox enzymes Marco Fraaije RUG
14.35-15.20	Enzyme production Sybe Hartmans DSM
15.20-15.45	<i>Refreshments</i>
15.45-16.30	Downstream processing Michel Eppink Synthron/WUR
16.35-17.20	Glycoside hydrolases Marc van der Maarel RUG

Tuesday April 30

9.00-9.45	Enzyme immobilisation Maurice Franssen WUR
9.50-10.35	Protein engineering René de Jong DSM
10.35-11.00	<i>Coffee/tea</i>
11.00-11.45	Enantioselectivity Gerrit Poelarends RUG
11.50-12.35	Promiscuity among enzymes Gerrit Poelarends RUG
12.35-13.45	<i>Lunch</i>
13.45-14.30	Computational approaches Hein Wijma RUG
14.35-15.20	Chemoenzymatic and hybrid catalysis Ulf Hanefeld TUDelft
15:20-15:40	<i>Refreshments</i>
15:40-16.20	Introduction to intellectual property Marc van der Maarel RUG
16.25-17:30	Applications of enzymes John Woodley , DTU
19.00-21.00	<i>Dinner in town</i>

Wednesday May 1

9.00-9.45	The lab-on-a-chip Jan van Hest TU/e
9.50-10.35	The lab-on-a-chip/enzyme nanoreactors Jan van Hest TU/e
10.35-11.00	<i>Coffee/tea</i>
11.00-11.45	CRISPR-Cas technologies John van der Oost WUR
11.50-12.35	Alternative cofactors Caroline Paul TUDelft
12:35-12:40	Final remarks
12.45-13.30	<i>Lunch</i>