

European Symposium on Biological and Organic Chemistry: Design and Engineering of Novel Biocatalysts

Gregynog, Newtown, Wales 15th-17th May 2015

Friday 15th May

14.15		Tea
15.00		Nicholas Turner <i>Introduction</i>
		<i>Session Chair 1</i>
15.05-15.50	Sabine Flitsch (Manchester)	Plenary lecture: Applications of enzymes for carbohydrate synthesis
15.50-16.10	Anca Pordea (Nottingham)	Metalloenzyme design by insertion of non-native metals into proteins
16.10-16.45		1-slide presentations from poster presenters
17.00		Tea
		<i>Session Chair 2</i>
17.30-17.35	Mark Corbett (BIOCATNET)	Introduction to BIOCATNET
17.40-18.20	Alan Berry (Leeds)	Plenary lecture: Extension of enzyme activity in active sites containing non-canonical amino acids
18.20-18.40	Bettina Nestl (Stuttgart)	Imine reductase-mediated asymmetric hydrogen transfer reactions
19.00		Dinner
		<i>Session Chair 3</i>
20.30-21.20	Andy Bommarius (Georgia Tech)	Plenary lecture: Amine syntheses to life science targets

Saturday 16th May

7.45		Breakfast
		<i>Session Chair 4</i>
9.00-9.45	Tim Bugg (Warwick)	Plenary lecture: Bacterial enzymes for lignin degradation
9.45-10.05	Dominic Campopiano (Edinburgh)	Exploring, evolving and exploiting coupled racemase/acylase biotransformation systems
10.15		Coffee
		<i>Session Chair 5</i>
11.00-11.45	Wolfgang Kroutil (Graz)	Plenary lecture: Tuning cascades and tunnels
11.45-12.05	Lu Shin Wong (Manchester)	Studies into recombinant silicateins for the biocatalytic cleavage of organic silyl ethers
12.05-12.25	Andrew Carnell (Liverpool)	Application of molybdenum-dependent enzymes in synthesis
12.30		Symposium photo and Lunch
16.30		Tea
		<i>Session Chair 6</i>
17.00-17.45	Uwe Bornscheuer (Greifswald)	Plenary lecture: Enzyme discovery, protein engineering and application in cascade reactions
17.45-18.35	Frances Arnold (Caltech)	Cedric Hassall lecture: Evolution and the expanding enzyme universe
18.45		Reception
19.15		Dinner
21.00		View posters

Sunday 17th May

7.45		Breakfast
		<i>Session Chair 7</i>
9.00-9.20	Hajo Kries (John Innes Centre)	Redesigning the specificity of nonribosomal peptide synthetases
9.20-9.40	Sylvia Glueck (Graz)	Regio-selective para-carboxylation of aromatics
9.40-10.25	Murray Brown (GSK)	Plenary lecture: Engineering industrial biocatalysts for pharmaceutical manufacturing
10.30		Coffee
		<i>Session Chair 8</i>
11.00-11.20	Andrew Currin (Manchester)	GeneGenie and SpeedyGenes: utilising synthetic biology to navigate fitness landscapes effectively for improved biocatalysts
11.20-12.05	Gerrit Poelarends (Groningen)	Plenary lecture: Design of novel biocatalysts for carbon-carbon bond formation
12.10		<i>Closing remarks</i>
12.15		Lunch and departure