



Agenda - Monday 11th December – Wednesday 13th December

Manchester Institute of Biotechnology

Monday 11th of December	
11.00 - 12.00	Registration opens
12.00 - 13.00	Registration and Lunch
13.00 - 13.10	Nick Turner - Opening remarks
Session 1	
13.10 - 13.40	Bernhard Hauer - Catalytic promiscuity of imine-reducing enzymes
13.40 - 14.10	Beatriz Dominguez - From Hit to Process
14.10 - 14.30	OP1_Carl Grey - Explaining Operational Instability of Amine Transaminases
14.30 - 14.50	OP2_Erica Ferrandi - Novel Thermostable Amine Transferases from Hot Spring Metagenomes
14.50 - 15.10	OP3_Jan von Langermann - Equilibrium displacement by in situ-product crystallisation (ISPC) in transaminase-catalysed reactions
15.10 - 15.40	Coffee/Tea
15.40 - 16.00	OP4_Juan Mangas-Sanchez - Fungal Reductive Aminases: Mechanism and Synthetic Applications
16.00 - 16.20	OP5_Justin Clarke - Assembly of an artificial metalloenzyme based on a siderophore-PBP interaction
16.20 - 16.40	OP6_Karim Engelmark Cassimjee - EziG™-immobilised ATAs for biocatalysis in organic solvents and flow chemistry
16.40 - 17.00	OP7_Keith Mulholland - Development of Encapsulated Transaminases for the Synthesis of Chiral Amines
17.00 - 17.30	Joerg Schrittwieser - Asymmetric synthesis of Pinus alkaloids using transaminases and imine reductases
17.30 - 19.00	Drinks reception and Posters

Tuesday 12th of December	
Session 2	
9.00 - 9.30	Hans Iding - Chiral Amines - Biocatalysis Research at Roche and Collaboration Partners
9.30 - 10.00	Gao-Wei Zheng - Imine reductase-catalyzed asymmetric reduction of cyclic imines
10.00 - 10.20	OP8_Leona Leipold - Novel transaminases and their application in biocatalytic SYNTHESSES
10.20 - 10.50	Coffee/Tea
10.50 - 11.10	OP9_Sebastian Cosgrove - Engineered monoamine oxidase enzymes for chiral amine synthesis
11.10 - 11.30	OP10_Silvia Osuna - Role of conformational dynamics in natural and laboratory-evolved monoamine oxidases (MAO-N)
11.30 - 12.00	Vicente Gotor-Fernández - Recent concurrent reactions for the synthesis of nitrogenated compounds. Development of chemoenzymatic cascades and multienzymatic sequential transformations
12.00 - 13.30	Lunch and Posters
Session 3	
13.30 - 14.15	Jim Lalonde - Accelerating Enzyme Engineering: Biocatalysts for the Production of Chiral Amine Pharmaceuticals (Keynote 1)
14.15 - 14.45	Dörte Rother - Enzymatic synthesis of chiral amines in buffered systems and unconventional media
14.45 - 15.05	OP11_Jennifer Littlechild – <i>title tbc</i>
15.05 - 15.40	Coffee/Tea
15.40 - 16.00	OP12_Thierry Gefflaut - Aldolase-Transaminase recycling cascades for γ -amino alcohols synthesis
16.00 - 16.20	OP13_Carine Vergne-Vaxelaire - Reductive amination of ketones and aldehydes by bacterial wild type amine dehydrogenases
16.20 - 16.40	OP14_Gideon Grogan – <i>title tbc</i>
16.40 - 17.10	Matthias Höhne - Transaminases and imine reductases for the synthesis of pharmaceutical and beta chiral amines
18.15 - 19.00	Drinks reception (Principal)
19.00 - 23.00	Dinner

Wednesday 13th of December	
Session 4	
9.30 - 10.00	Sabine Flitsch - <i>title tbc</i>
10.00 - 10.30	Murray Brown - Biocatalysis for Pharmaceutical Manufacturing
10.30 - 10.50	OP15_ Davide Tessaro – <i>title tbc</i>
10.50 - 11.10	OP16_ Michele Crotti - Use of Ene-Reductases in Chemo-Enzymatic Cascades for the Synthesis of Chiral Amine Derivatives
11.10 - 11.45	Coffee/Tea
11.45 - 12.15	Dominic Campopiano - <i>title tbc</i>
12.15 - 13.00	Uwe Bornscheuer - Discovery, engineering and application of transaminases: what we have learned and achieved, and where we still struggle (Keynote 2)
13.00 - 14.00	Lunch and depart