



5th Symposium on Biotransformations for Pharmaceutical and Cosmetic Industry

June 13-15, 2022, Kraków-Częstochowa Upland

Conference Framework Programme:

Monday, June 13th, 2022

10:00-14:00		Registration
14:00-14:30		Lunch
15:00-15:15		Opening ceremony Prof. Ryszard Ostaszewski
Chairman: Prof. Ryszard Ostaszewski		
15:15-16:00	Prof. Ulf Hanefeld	Plenary Lecture Flow chemistry to clean up production <i>TU Delft, the Netherlands</i>
16:00-16:15	Prof. Katarzyna Szymańska	Oral Communication Engineering of continuous enzymatic cascade <i>Silesian University of Technology, Gliwice, Poland</i>
16:15-16:30	Dr. Agnieszka Wojtkiewicz	Oral Communication Application of 3-ketosteroid Δ^1-dehydrogenases from <i>Sterolibacterium denitrificans</i> in a synthesis of pharmaceuticals and cosmetic components <i>Jerzy Haber Institute of Catalysis and Surface Chemistry, PAS, Kraków, Poland</i>
16:30-17:00		Coffee break
Chairman: Prof. Edmond Magner		
17:00-17:45	Prof. Ryszard Ostaszewski	Plenary Lecture Promiscuous future of biocatalysis (?) <i>Institute of Organic Chemistry Polish Academy of Sciences, Warsaw, Poland</i>
17:45-18:00	Prof. Witold Gładkowski	Oral Communication The application of Lecitase Ultra for the resolution of racemic alcohols with 4-arylbut-3-en-2-ol system <i>Wrocław University of Environmental and Life Science, Wrocław, Poland</i>
18:00-18:15	Dr. Anna Brodzka	Oral Communication Enzymatic kinetic resolution of 3-arylglycidates <i>Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, Poland</i>
18:15-18:30	Dominika Stradomska	Oral Communication Dynamic kinetic resolution of amines <i>Silesian University of Technology, Gliwice, Poland</i>
19:00-22:00		Grill dinner

Tuesday, June 14th, 2022

Chairman: Prof. Ulf Hanefeld

9:00-9:45	Prof. Edmond Magner	<p style="text-align: center;">Plenary Lecture Electrochemical immobilisation of enzymes for biocatalysis <i>University of Limerick, Limerick, Ireland</i></p>
9:45-10:15	Prof. Jakub Zdarta	<p style="text-align: center;">Invited Lecture Removal of micropollutants by immobilized enzymes: How far to practical application? <i>Poznan University of Technology, Poznan, Poland</i></p>
10:15-10:30	Pror. Maciej Guzik	<p style="text-align: center;">Oral Communication Polyhydroxyalkanoates – a source of biomolecules for synthesis of advanced chemicals and materials <i>Jerzy Haber Institute of Catalysis and Surface Chemistry PAS, Kraków, Poland</i></p>
10:30-10:45	Oliwia Degórska	<p style="text-align: center;">Oral Communication Application of hydrolases in the synthesis of active pharmaceutical ingredients <i>Poznan University of Technology, Poznan, Poland</i></p>
10:45-11:00	Dr. Maciej Pudelko	<p style="text-align: center;">Oral Communication Chemical synthesis of PROTACs – a fast developing tool in medicinal chemistry <i>Selvita S.A., Kraków, Poland</i></p>
11:00-11:30		<p style="text-align: center;">Coffee break</p>
Chairman: Prof. Ewa Żymańczyk-Duda		
11:30-12:15	Prof. Maciej Szaleniec	<p style="text-align: center;">Plenary Lecture Oxidoreductases from anaerobic bacteria – from fundamental catalytic studies to industrial application <i>Jerzy Haber Institute of Catalysis and Surface Chemistry PAS, Kraków, Poland</i></p>
12:15-12:45	Prof. Dirk Tishler	<p style="text-align: center;">Invited Lecture Sweet vanillin from hot pepper by enzyme driven oxidation <i>Ruhr-Universität Bochum, Germany</i></p>
12:45-13:00	Prof. Małgorzata Brzezińska-Rodak	<p style="text-align: center;">Oral Communication Biocatalysis in the synthesis of high added value compounds <i>Wrocław University of Science and Technology, Wrocław, Poland</i></p>
13:00-13:15	Dr. Mirosław Danch	<p style="text-align: center;">Oral Communication Company presentation <i>ABL&E-JASCO Polska Sp. z o.o., Kraków, Poland</i></p>
13:30-14:00		<p style="text-align: center;">Lunch</p>
Chairman: Prof. Dirk Tischler		
15:00-15:45	Prof. Anna Chrobok	<p style="text-align: center;">Plenary Lecture Designing of the novel biocatalysts for fine chemical synthesis <i>Silesian University of Technology, Gliwice, Poland</i></p>
15:45-16:15	Prof. Sławomir Boncel	<p style="text-align: center;">Invited Lecture Hybridization of nanocarbons with biopolymers – perspectives of biomedical applications <i>Silesian University of Technology, Gliwice, Poland</i></p>
16:15-16:45		<p style="text-align: center;">Coffee break</p>
16:45-18:00		<p style="text-align: center;">Poster session</p>
19:00-		<p style="text-align: center;">Conference dinner</p>

Wednesday, June 15th, 2022

Chairman: Prof. Anna Chrobok

9:00-9:45	Prof. Filip Boratyński	Plenary Lecture Microbial approach to produce industrially important fragrance compounds <i>Wrocław University of Environmental and Life Sciences, Wrocław, Poland</i>
9:45-10:00	Dr. Jarosław Popłoński	Oral Communication Decoration and functionalisation of flavonoids by FMO and glycosyltransferases <i>Wrocław University of Environmental and Life Sciences, Wrocław, Poland</i>
10:00-10:15	Agata Matera	Oral Communication Coimmobilized glycosylation cascade for efficient flavonoid functionalization <i>Wrocław University of Environmental and Life Sciences, Wrocław, Poland</i>
10:15-10:30	Gabriela Pacek	Oral Communication New BSS mutants allow the synthesis of novel benzylsuccinate analogues <i>Jerzy Haber Institute of Catalysis and Surface Chemistry, PAS, Cracow, Poland</i>
10:30-11:00		Coffee break
Chairman: Prof. Maciej Szaleniec		
11:00-11:15	Prof. Dominik Koszelewski	Oral Communication Screening for amidoxime reductases in plant roots and <i>Saccharomyces cerevisiae</i> <i>Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, Poland</i>
11:15-11:30	Dr. Piotr Latos	Oral Communication SiO₂-ionic liquid systems as a matrix for the immobilization of the <i>Candida antarctica</i> lipase B (CALB) <i>Silesian University of Technology, Gliwice, Poland</i>
11:30-11:45	Tomasz Walica	Oral Communication Basket stationary bed reactor "StatBioChem" for heterogeneous catalysis <i>Silesian University of Technology, Gliwice, Poland</i>
11:45-12:00	Agata Wawoczny	Oral Communication Stationary basket reactor for efficient pretreatment of biomass before chemoenzymatic transformation <i>Silesian University of Technology, Gliwice, Poland</i>
12:00-12:15		Closing remarks
12:30-13:00		Lunch