

16th May 2018 (Wednesday)	
15.00-16.00	Registration and Coffee/Recreation by Biorro/
16.00-16:30	Welcome words: Inga Matijošytė, Lithuanian Biotechnology Association Prof. Rimantas Jankauskas, Vice-Rector for Reseach of Vilnius University Prof. Gintaras Valinčius, Director of Life Sciences Center of Vilnius University Baris Binay, Gebze Technical University, organizer of ProtStab2016 in Turkey Welcome by students from National M.K. Čiurlionis School of Art
16.30-17.30	Conference Opening Lecture Lars Beier , Novozymes A/S, Denmark PROTEIN STABILIZATION – THE WORK HORSE FOR MODERN BIOTECHNOLOGY
17.30-	Welcome Mixer /Recreation by ThermoFisher Scientific and LBTA/

17th May 2018 (Thursday)	
Session 1/ Methodologies to increase protein stability	
<i>Moderator: Dr. Roland Wohlgemuth, Sigma-Aldrich (Member of Merck)</i>	
9.00-9.45	Juozas Šiurkus (I1) METHIONINE SULFOXIDE REDUCTASES:NEW EFFICIENT TOOLS FOR RECOMBINANT PROTEIN STABILIZATION IN VITRO AND FOLDING AIDING IN VIVO
9.45-10.05	Henrique Carvalho (O1) DATA-INTEGRATED SIMULATION OF ENZYMES
10.05-10.25	Florian Rudroff (O2) MUTAGENESIS-INDEPENDENT, 1000-FOLD STABILIZATION OF CLASS B FLAVIN MONOOXYGENASES IN OPERATION
10.25-11.30	POSTER SESSION and Coffee break/Recreation by Sicor Biotech/
<i>Moderator: Prof. Jennifer Littlechild, University of Exeter</i>	
11.30-11.50	Darius Kavaliauskas (O4) STABILIZATION OF GLYCEROL-FREE REVERSE TRANSCRIPTASES FOR MOLECULAR DIAGNOSTICS APPLICATIONS
11.50-12.10	Kristaps Jaudzems (O5) ROLE OF PROTEIN STABILITY IN SPIDER SILK ASSEMBLY
12.10-12.30	Hein J. Wijma (O6) COMPUTATIONALLY DESIGNED LIBRARIES FOR RAPID IMPROVEMENT OF PROTEIN STABILITY:FRESCO
12.30-12.50	Mohamed Shehata (O7) UNDERSTANDING THE ACTIVATION MECHANISM OF BACILLUS THERMOCATENULATUS LIPASE IN ORGANIC SOLVENTS

12.50-14.00	Lunch and POSTER SESSION
<i>Moderator: Dr. Daniela Monti, Italian National Research Council</i>	
14.00-14.20	David Bednar (O8) FireProt: COMPUTATIONAL DESIGN OF THERMOSTABLE PROTEINS
14.20-14.40	Ali Osman Belduz (O9) SIGNIFICANT EFFECTS OF SIGNAL PEPTIDE ON pH AND THERMAL STABILITY OF A THERMOSTABLE XYLANASE
14.40-15.00	Fabrizio Pucci (O10) IN-SILICO PROTEIN STABILIZATION WITH HOTMUSIC: INSIGHT FROM A PROTEOMIC PERSPECTIVE
15.00-16.00	POSTER SESSION and Coffee break/Recreation by Sicor Biotech/
<i>Moderator: Prof. Roberto Fernandez-Lafuente, Spanish Council for Scientific Research</i>	
16.00-16.20	Matthew A. McDonald (O11) ENZYME DEACTIVATION PROBED BY NON-ISOTHERMAL CONTINUOUS ACTIVITY ASSAY
16.20-16.40	Jisoo X Jean (O3) SNOOPLIGASE CYCLIZATION IMPARTS THERMAL RESILIENCE ON ENZYMES
16.40-17.00	Marcos Gil-Garcia (O12) RE-DESIGNING PROTEIN SOLUBILITY
17.00-17.20	Adam Thomas (O13) THREE THERMOSTABLE CARBOXYLIC ACID REDUCTASES ENGINEERED BY ANCESTRAL SEQUENCE RECONSTRUCTION
17.30-18.30	Excursion at Life Sciences Center (Vilnius University)
19.00	<i>Leaving for the Conference Dinner, transportation by ProtStab2018</i>
19.30-22.00	Conference Dinner and Excursion at Arkangelo Art Centre(www.arkangelo.it)

18th May 2018 (Friday)

Session 2/ Enzymes from extremophiles and applications

Moderator: Dr. Florian Rudroff, Vienna University of Technology

9.00-9.45	Daniela Monti (I2) MINING HOT SPRINGS METAGENOMES FOR NEW THERMOSTABLE BIOCATALYSTS
9.45-10.05	Mohd Shukuri Mohamad Ali (O14) COLD ACTIVE LIPASE OF ANTARCTIC <i>PSEUDOMONAS</i>: FROM ISOLATION TO POTENTIAL APPLICATION
10.05-10.25	Dilsat Nigar Colak (O15) CLONING AND BIOCHEMICAL CHARACTERIZATION OF FERULOYL ESTERASE FROM <i>GEOBACILLUS THERMOGLUCOSIDASIUS</i> DSM 2542^T
10.25-11.30	POSTER SESSION and Coffee break/Recreation by Bioenergy LT/

Session 3/ Enzyme stabilization for industrial bioprocesses

Moderator: Prof. Saulius Klimašauskas, Institute of Biotechnology, Life Sciences Center

11.30-11.50	Roberto Fernandez-Lafuente (I3) VERSATILITY OF GLUTARALDEHYDE IN ENZYME IMMOBILIZATION
11.50-12.10	Mafalda Dias Gomes (O16) STABILITY OF NAD(P)H OXIDASES UNDER INDUSTRIAL PROCESS CONDITIONS
12.10-12.30	Baris Binay (O17) NOVEL BIOCATALYSIS IN COFACTOR REGENERATION AND UNNATURAL AMINO ACID SYNTHESIS
12.30-12.50	Jennifer Littlechild (O18) THERMOPHILIC ENZYMES FOR INDUSTRIAL BIOCATALYSIS
12.50-13.00	Closing of the Conference
13.00-14.00	Lunch/Recreation by Amilina/
17:00	Excursion at Vilnius Center (organized and sponsored by GO VILNIUS)